

# technetix product catalogue

# Company profile

# technetix

# The complete solution provider

### **Trusted partner**

Technetix leads the market when it comes to the enhancement of broadband cable network performance. Our long experience of broadband network technologies means that we offer an unrivalled understanding of legacy networks and next generation developments when helping customers through a development or migration process. That's why we're the tried, tested and trusted supplier to more than 1,100 customers in 55 countries.

We work in partnership with our customers to analyse their needs and understand the heart of their requirements. And we're firmly focused on helping them to deliver outstanding network performance, customer satisfaction, revenue per customer, return on investment, and lower operating costs.

### Insight and innovation

People within Technetix have a deep understanding of hybrid fibre coax technology, and our products play a critical role in enabling network subsystems and components to deliver broadband services to consumers in the best possible way.

By seeking to be at the forefront of technology development, we challenge boundaries and produce ever more effective and valuable product solutions for our customers.

We're the major European provider of products used in the final mile of broadband cable networks, and our headend and access network products enable us to offer full solutions end-to-end. Our product solutions can be found embedded throughout networks around the world.

### Specify, qualify and test

Our many years of experience combined with our advanced technical expertise mean that Technetix is uniquely placed to develop solutions where every single part works as specified.

We recognise that any solution is only as strong as its weakest element, which is why we rigorously test components that we do not manufacture ourselves before we use them. This helps ensure that every part of the solution performs as expected, and that our customers' investments are protected.

Called 'specify, qualify and test', or SQT, this service offers our customers total peace of mind.









# Company profile

# The complete solution provider

Supply chain Full supply chain solutions with automated processes and inventory management using proven e-commerce tools.	Heattend Equipment providing flexible, standards- based integrated solutions minimizing network management operating costs.	Access From collector nodes to drop cables, we cover all aspects of RF access and network plant.	Connected home From customer's connection to the Access network through to in home service distribution.	Repair and upgrades Repair, maintenance and upgrade service for our own and all other manufacturers' products.
1994	based integrated solutions minimizing network management operating costs.	cover all aspects of RF access and network plant.	Access network through to in home service distribution.	for our own and all other manufacturers' products.

### Meet your match

If you'd like to find out more about our products and solutions, or receive a customised proposal to suit your own requirements, please call your Account Manager or Customer Services Representative today.

If you don't have a representative, then please contact the Technetix sales team on:

Telephone: +44 (0)1444 251 200

Email: sales@technetix.com

# Technetix Ingress Safe®

One of the greatest barriers in implementing enhanced, high-speed DOCSIS 3.0 services requiring high-integrity signal transmission is noise in the network. As multi-system operators (MSOs) seek to migrate to 64 QAM and 256 QAM digital modulation, removing noise is a significant challenge. Up to 80% of ingress originates from galactic noise and man-made noise entering poorly shielded in home equipment and drop systems. Our unique Ingress Safe technology helps to overcome home and drop caused ingress in the network.

When connecting customers to a network, the coherent nature of ingress signals from galactic noise and man-made noise sources means ingress increases as it combines within the network. By adding a 180 degree phase shifting device within our passive units, the ingress from one subscriber is combined, out-of-phase, with the ingress from a second subscriber. As a result, they cancel each other out.

### Benefits of our Ingress Safe technology:

- Significantly reduces noise on CATV networks, improving network performance
- A flexible solution which avoids the limitations of invasive solutions, such as filters or dynamic ingress control
- Field tests show that Ingress Safe units in the distribution network deliver improvements in the carrier to noise ratio that average between 6 dB and 12 dB, depending on the network topology and levels of ingress noise
- No adverse effects on the network or service operation
- Prevents or significantly delays the need to deploy technicians to rectify faults caused by the cumulative effects of ingress noise on network performance and customer service

# Technetix Modem Safe®

Sensitive network equipment and increasingly costly customer premises equipment (CPE) drives the need for highly-effective lightning surge protection. Modem Safe technology protects against both high and low voltage pulses. Based on passive circuits, the technology does not rely on spark gaps or discharge tubes; this not only removes a source of short circuits and the resulting current surges, but it also extends the solution's lifespan.

### Benefits of our Modem Safe technology:

- Protects against high and low voltage pulses, and against damage to valuable CPE from lightning
- Prevents intermodulation signal distortion caused by internal ferrites becoming magnetised from impulses

# Technetix CPD Safe™

CPD (Common Path Distortion) is a frequent cause of signal interference on networks. It is produced by electrolytic corrosion or the oxidisation of dissimilar metals at the interface of connectors to taps, passives and access equipment. CPD Safe technology minimises such corrosion by using tin nickel and silver plating on our products as appropriate.

## Benefits of our CPD Safe technology:

- Removes a primary cause of CPD
- Reduces signal interference on networks

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# Systems and solution

# Power, flexibility, growth

The continual demand for high definition TV, high-speed data and ever more sophisticated interactive services means the platform for your network – your headend – must be reliable, agile and powerful enough to deliver a wide variety of advanced services to your customers, cost effectively.

With this is mind, Technetix offers a range of modular headend products that provide flexible solutions to meet your particular needs and free up critical headend space. Powering scalable capacity and service growth through manageable segmentation, they simplify network expansion and service integration.

# Headend

### RF signal management

- Signal combining and dividing
- Active modules
- Switches
- Power supplies
- Chassis and accessorie
- Headend splitters and taps

### Systems and solutions

- Active FPM/RPM solutions
- Headend splitter and tap solutions
- DS-192 downstream dividing solution

### Ingress management

- Ingress monitoring and detection
- Ingress detection switches

# RF signal management

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# Signal combining and dividing

A range of passive wideband splitters and taps in cassette housings that are designed to fit our MSO range of 19 inch 3 RU chassis. In the new WSP and WTP line there are 2-way, 3-way, 4-way, 6-way, and 8-way splitters, with and without test and insertion points, allowing for a variety of ways to split and combine configurations.

- Frequency range 5 MHz to 1006 MHz
- Excellent flatness across frequency range
- Cassette widths of 3.5 / 7 TE
- Compliant with EN Class A screening requirements
- Compliant with RoHS directive



WSP-123

WSP-222/TI



WSP-128

Signal comb	bining an	nd dividing (Octos platform)
WSP-122/D-DC	11213601	Wideband dual 2-way splitter
WSP-122/TI-DC	11213800	Wideband 2-way splitter, with test and insertion points
WSP-122/TID-D	11213801	Wideband dual 2-way splitter, with test and insertion points
WSP-122/TTI-DC	11219801	Wideband 2-way splitter, with two test points and one insertion point
WSP-123/TI-DC	11213802	Wideband 3-way splitter, with test and insertion points
WSP-123-DC	11213602	Wideband 3-way splitter
WSP-124/TI-DC	11213804	Wideband 4-way splitter, with test and insertion points
WSP-124-DC	11213604	Wideband 5-way splitter
WSP-126/TI-DC	11213806	Wideband 6-way splitter, with test and insertion points
WSP-126-DC	11213606	Wideband 6-way splitter
WSP-128/TI-DC	11213808	Wideband 8-way splitter, with test and insertion points
WSP-128-DC	11213608	Wideband 8-way splitter
WSP-222/TI-DC	11213812	Wideband two input 2-way splitter, with test and insertion points
WSP-222-DC	11213612	Wideband two input 2-way splitter
WSP-224/TI-DC	11213816	Wideband two input 4-way splitter, with test and insertion points
WSP-224-DC	11213616	Wideband two input 4-way splitter
WTP-122/D-DC	11214613	Wideband dual tap
WTP-122/TI-DC	11214812	Wideband one input tap, with test and insertion points
WTP-222/TI-DC	11214814	Wideband two input tap, with test and insertion points
RCP-35	11108035	3.5 TE blanking panel
RCP-70	11108070	7 TE blanking panel



WTP-122/TI



WSP-126/TI Apr/2013 - v4.2

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# **Active modules**

A wide range of active modules incorporating wideband and frequency specific amplifiers, switches for forward and return path signals, and remotely controllable units. Available in rack mountable and cassette housings to fit our MRO range of chassis.

Chassis-r	nounted	active modules (Octos platform)
FA-121	11303121	Forward amplifier, 21 dB gain
FAA-114/D	10450311	Dual forward amplifier, 14 dB gain
FAA-117/D	10450317	Dual forward amplifier, 17 dB gain
FCA-421/AS	29000252	Forward active combiner, four inputs, one output
LMC-128/A	10450141	8-way LoCon multiplexer
PLG-128	10510708	Powercomm LoCon gateway (SNMP to LoCon software)
PRG-121/L	10510707	Powercomm LoCon RF gateway 406.8 MHz (for IDS solution)
PRG-121/H	10510710	Powercomm LoCon RF gateway 868 MHz (for IDS solution)



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RF signal management

FAA-117/D

### 19 inch rack active modules (Octos platform) FAM-121 COMP 11102104 19 inch, 1 RU headend amplifier, with redundancy, controlled from FAM-124 FAM-124 COMP 11102102 19 inch, 1 RU headend amplifier, with redundancy and LCD control



# **Switches**

- 32 inputs per unit rack space .
- **Electronically controlled** •
- Built-in amplifiers allowing unity gain •
- **Optional SNMP connectivity** •
- **Excellent distortion characteristics** •
- Cost effective compared to similar products •

Switches (Octos platform)							
WCS-32/D	11602100	Dual wideband, 32 channel switch					
WCS-32D-SNMP	11612120	Dual wideband, 32 channel switch, with SNMP interface					



WCS-32/D

Ingress management

# RF signal management

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# **Power supplies**

A selection of power supplies available as rack mount and standalone versions

Chassis-mounted power supplies (Octos platform)						
RPS-156 + CS	10450128	Power supply, with H-15 connector, 15 V, 6 A				
RPS-156+CS UK	10450129	Power supply, with H-15 connector and UK plug, 15 V, 6 A				
RPS-244-B	10450136	Power supply, with H-15 connector, 24 V, 4 A				
RPD-228	10450131	Power supply divider, two input, eight output				

19 inch rack	power s	upplies (Octos platform)
PBUK1818B	19001700	Load sharing power supply, with redundant input, 24 V, 8 A



RPD-228



# **Chassis and accessories**

A selection of available chassis - solution customisations and variants available upon request

Chassis and accessories (Octos platform)						
MR0-70	11101070	19 inch rack, 3 RU, 70 mm depth				
MR0-240	10450240	19 inch rack, 3 RU, 240 mm depth				
MR0-340	10450244	19 inch rack, 3 RU, 340 mm depth				





Headend

**RF** signal management

# Headend splitters and taps

The HS and HT series of high-quality splitters and taps have been developed specifically for panel mounting in headend applications, providing a versatile option for supporting many different headend solutions. The series consist of 2-way, 4-way, and 8-way cost effective wideband splitters, and 8 dB and 20 dB low-cost wideband taps, with a connector spacing suitable for use with the Technetix HPP series of 19 inch 1 RU, 1.5 RU, 2 RU, and 3 RU mounting panels.

- Designed for panel mounting in headend applications
- Low loss and high return loss performance
- Exceed EN Class A screening requirements
- CPD Safe Tin-Nickel plated, zinc alloy casing, and Tin-Nickel plated, machined brass input connector with Tin-Nickel plated F-inner spring



19001787

HS-02



HS-04

HS-04 19001788 4-way panel mount splitter HS-08 19001789 8-way panel mount splitter 19002755 HT-1-8 Panel mount tap, 8 dB HT-1-20 19001946 Panel mount tap, 20 dB HT-1-20/REV 19003837 Panel mount tap, reversed test point, 20 dB HPP-40F 19001795 Splitter plate for HS/HT splitter range, 1 RU HPP-60F 19001797 Splitter plate for HS/HT splitter range, 1.5 RU HPP-80F 19001799 Splitter plate for HS/HT splitter range, 2 RU HPP-120F 19001940 Splitter plate for HS/HT splitter range, 3 RU 19001947 HE-FF-FF 2-way panel mount, through connection

Headend splitters and taps (Octos platform)

2-way panel mount splitter

HPP-40F



HT-1-8



HPP-120F

# Systems and solutions

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# **Active FPM/RPM solutions**

Increasing demand for upstream and downstream Internet speed, high modulation schemes, and an increase in the number of digital television channels have all led to more headend equipment being required. At the same time, the number of homes fed by nodes is decreasing. Technetix' forward path matrices (FPM) and return path matrices (RPM) solutions are flexible combining and dividing solutions designed with these issues in mind. The solutions consist of modular active and passive components that fit into a minimal amount of rack space, providing a fast and flexible means of node splitting without the need for recabling the headend. Narrowcast and broadcast signals can be patched as required, and simple node splitting can be carried out with the flick of a switch.





Forward p	ath and	return path matrices
FPM-16-3-B	29000271	Forward path matrix, MK2 with cables
RPM-16-1-2-A	19001613	Return path matrix, MK2 with cables

Forward path matrix functional diagram

# Headend splitter and tap solutions

The HS and HT series of high-quality splitters and taps have been developed specifically for panel mounting in headend applications, providing a versatile option for supporting many different headend solutions. The series consist of 2-way, 4-way, and 8-way cost effective wideband splitters, and 8 dB and 20 dB low cost wideband taps, with a connector spacing suitable for use with the Technetix HPP series of 19 inch 1 RU, 1.5 RU, 2 RU and 3 RU high mounting panels.



# **DS-192 downstream dividing solution**

The implementation of new services and the ever-growing demand for higher bandwidths in broadband networks require a number of adaptations to the headend. Node splitting is one of the challenges to be addressed. More nodes means more optical transmitters, and this means more signal dividing while maintaining signal integrity and RF isolation performance. Reliability is also crucial as signal interruptions need to be avoided to guarantee service. The DS-192 downstream dividing solution answers all of these demands and more. Designed to be used in headend applications, it is a robust, modular system that allows one input to be split to up to 192 outputs with unity gain.



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Ingress management

# Ingress management

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# Ingress monitoring and detection

Ingress is a phenomenon which occurs in every cable television network. Its presence often causes serious operational issues, including degradation in the speed or interruption to the upstream bandwidth on cable modems, and interruption to the operation of interactive digital TV set top terminals.

- Real time monitoring and measuring of ingress
- Measurements stored for later evaluation
- Can be used by field technicians for network alignment
- Measurements for up to 96 nodes are recorded every five minutes
- Events generated for 'out of limit' values or errors

Ingress monitoring and detection (IMD)						
ISA-1100	11604100	IMD spectrum analyser, 1100 MHz				
IPC-1000	11605100	IMD server, including Windows XP				
WCS-32/D	11602100	Dual wideband, 32 channel switch				



WCS-32/D





IPC-1000

# Headend Ingress management

# **Ingress detection switches**

With Technetix' ingress detection switch solutions, operators can now stop chasing the ever-illusive ingress source and combat the problem 'real time' with pinpoint accuracy. Headend measurements can be taken from a central office and the switches controlled remotely, meaning that locating an ingress source deep in the network can be performed in minutes. A service technician can be dispatched to the right location to solve the problem, and failed and unnecessary network maintenance is avoided, saving time and - more importantly money.

- Allows operators to pinpoint ingress quickly •
- Integrates easily into most amplifier housings •
- Small, low profile units •
- User-defined programmable address for each unit •
- Non-disruptive; no service impact on customers

Ingress detection switches			
IDS-1150 UNIV	10450257	Universal ingress detection switch	
IDS 2100 LOCON	19003050	Ingress detection switch, for DA-1000 LoCon	
KIT FOR FM222	10450259	Kit, including IDS-1150 bracket and cable for FM222	
KIT FOR FM400	10450260	Kit, including IDS-1150 bracket and cable for FM400	
KIT FOR FM500	10450261	Kit, including IDS-1150 bracket and cable for FM500	

Other kits available on request



Interactive diagnostic display tool



IDS-1150 UNIV

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F access passive

# Performance and quality

The successful migration to 64 QAM and 256 QAM digital modulation, along with the implementation of enhanced, DOCSIS 3.0 services depends on high-quality signal transmission.

Our Access Network solutions are designed to help optimise the integrity and quality of signal transmission in order to enhance the performance of your network. Return path conditioning within our network passives is particularly important for optimising performance for bonded return path services such as DOCSIS 3.0.

# Access Network

### **Optical access active**

- ONU-20 optical node
- IN-1000 optical node
- DBE-1000 fibre node

### **RF** access active

- DBE-1000 network amplifier
- DA-1000 network amplifier
- DBB-1000 network amplifier

### **RF** access passive

- Amplifier and node plug-ins
- SA<sup>®</sup> style outdoor passives and multitaps
- Philips<sup>®</sup> style outdoor passives and multitaps
- Regal<sup>®</sup> style outdoor passives and multitaps
- DGOT galvanic isolated port multitaps
- Brilliantline headend and cabinet passives
- Ecoline in home and cabinet passives
- Transition line transformer, multi dwelling unit and cabinet multitaps

# Optical access active

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The products shown in this section are active devices used in the final mile of an optical network. They provide a range of optical transceivers offering from one to four output ports, with a variety of innovative features.

# **ONU-20 optical node**

- Automatic level control
- High output level
- Easy installation and adjustment
- Service interruption prevention during adjustments
- FP, FPI, DFBI and CWDM return path transmitter module
- Compact die-cast aluminium housing
- Excellent surge and transient protection



TXONU206S8550

ONU-20 optical node			
TX0NU206S8000	32003488	Deep fibre optical node unit, without return transmitter, 65/85 MHz	
TXONU206S8310	32003196	Deep fibre optical node unit, 1310 nm, 2 MW DFBII, 65/85 MHz	
TX0NU206S8550	32004131	Deep fibre optical node unit, 1550 nm, 2 MW DFBII, 65/85 MHz	

Notes: alternative diplex frequency variants also available



## Access network

Optical access active



IN-1000

## **IN-1000 optical node**

- A hub in an outdoor housing
- Can be used with up to 16 external optical splitters
- Optimises investment in equipment and knowledge
- Optical gateway using RFoG technology
- Field-upgradable diplex plug-ins

IN-1000 optical node					
IN-1000	TBC	Return optical node unit, 65/85 MHz			

Notes: alternative diplex frequencies variants also available

# DBE-1000 fibre node

- Receiver modules in the following:
  - Light wavelength: 1290 nm 1610 nm
  - Optical input range (optical AGC): -6 dB to +1 dBm
- Return transmitter module in the following:
  - Type LASER: DFBI/CWDM/FPI
  - Light wavelength: 1310/1550 nm
  - Optical power: 1 dBm to 4 dBm
- Adaptable for 1, 2, 3, or 4 high level outputs
- Operates to 1006 MHz with a forward gain of up to 42 dB (thermal compensated)
- Field-upgradable plug-in diplex filters
- Modular, compact design replaces the majority of existing nodal transceiver platforms



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DBE-1000 fibre node				
DBE1000-600003R0	19003474	Amplifier, three active outputs, remote power		

# RF access active

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The products shown in this section are active devices used in the final mile of an RF network. They provide a range of RF amplifiers providing from one to four output ports with a variety of innovative features.

# **DBE-1000 network amplifier**

- Configurable three active output amplifier
- Field-upgradeable to a deep fibre node
- Adaptable for 1, 2, 3, or 4 high level outputs
- Operates to 1006 MHz with a forward gain of up to 42 dB (thermal compensated)
- Return path gain of up to 27 dB
- Field upgradable plug-in diplex filters
- Modular, compact design replaces the majority of existing nodal transceiver and RF amplifier platforms



DBE-1000 network amplifier				
DBE1000-600003R0	19003474	Amplifier, three active outputs, remote power		
		-		



DA-1000

# DA-1000 network amplifier

- Available in 27 dB, 37 dB, and 41 dB gain
- Combined active and passive return amplifier
- Strand and cabinet mountable
- Compact housing
- Choice of connecting from the base or the side
- CPD Safe high-performance double spring seizure mechanism for the connector's pin
- Modem Safe unique surge protection and intermodulation reduction solution
- Optional ingress detection system
- Input passthrough
- Service interruption protection
- GaAs hybrid
- Optional automatic gain control
- 7 A power passing
- Integrated inrush current limiter
- Low power consumption compared to similar amplifiers

DA-1000 network amplifier			
DA-1000 HIG G	83002100	TXDA1000 6H2R00 distribution amplifier, 41 dB	
DA-1000 MED G	83002101	TXDA1000 6M2R00 distribution amplifier, 37 dB	
DA-1000 LOW G	83002102	TXDA1000 RL2R00 distribution amplifier, 28 dB	

**RF** access active

# DBB-1000 network amplifier

- Compact low-power consumption distribution amplifier
- Up to 200 MHz return path bandwidth
- Strand and cabinet mountable
- Modem Safe unique surge protection and intermodulation reduction solution
- CPD Safe high-performance double spring seizure mechanism for the connector's pin
- Field-upgradeable plug-in diplexers
- Local or remote power supply

DBB-1000 network amplifier			
DBB-1000 BASE	19004530	DBB-1000 BASE UNIT	
DBB 25-85VAC	19004529	DBB-1000 AMP WITH IN LINE POWER SUPPLY	
DBB 90-264VAC	19004528	DBB-1000 AMP WITH LOCAL POWER SUPPLY	



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# Amplifier and node plug-ins

Technetix supplies a full range of original equipment manufacturer (OEM) and high-quality equivalent plug-in modules for legacy and our own amplifiers and nodes. We also provide cost efficient JXP equaliser adaptor boards in different hinge point variants that can save up to 50% on the cost of an equivalent JXP style equaliser.

Attenuators	;	
SQJXPAT-001000	19001556	0 dB JXP attenuator, 1 inch, orange
SQJXPAT-011000	19001619	1 dB JXP attenuator, 1 inch, orange
SQJXPAT-021000	71001002	2 dB JXP attenuator, 1 inch, orange
SQJXPAT-031000	19000757	3 dB JXP attenuator, 1 inch, orange
SQJXPAT-041000	19001631	4 dB JXP attenuator, 1 inch, orange
SQJXPAT-051000	19001601	5 dB JXP attenuator, 1 inch, orange
SQJXPAT-061000	19001496	6 dB JXP attenuator, 1 inch, orange
SQJXPAT-071000	19001497	7 dB JXP attenuator, 1 inch, orange
SQJXPAT-081000	19000758	8 dB JXP attenuator, 1 inch, orange
SQJXPAT-091000	19001498	9 dB JXP attenuator, 1 inch, orange
SQJXPAT-101000	19001499	10 dB JXP attenuator, 1 inch, orange
SQJXPAT-111000	19001500	11 dB JXP attenuator, 1 inch, orange
SQJXPAT-121000	19001886	12 dB JXP attenuator, 1 inch, orange
SQJXPAT-131000	19001635	13 dB JXP attenuator, 1 inch, orange
SQJXPAT-141000	19001671	14 dB JXP attenuator, 1 inch, orange
SQJXPAT-151000	19001501	15 dB JXP attenuator, 1 inch, orange
SQJXPAT-161000	19000759	16 dB JXP attenuator, 1 inch, orange
SQJXPAT-171000	19001502	17 dB JXP attenuator, 1 inch, orange
SQJXPAT-181000	19001503	18 dB JXP attenuator, 1 inch, orange
SQJXPAT-191000	19001804	19 dB JXP attenuator, 1 inch, orange
SQJXPAT-201000	19001504	20 dB JXP attenuator, 1 inch, orange
SQJXPAT-211000	19001505	21 dB JXP attenuator, 1 inch, orange
SQJXPAT-221000	71001020	22 dB JXP attenuator, 1 inch, orange
SQJXPAT-231000	32002735	23 dB JXP attenuator, 1 inch, orange
SQJXPAT-241000	71001021	24 dB JXP attenuator, 1 inch, orange

Notes: lockable, colour and half height JXP variants also available



EQL-1GHZ-090



EQL-870-070





LEP.

EQL-1GHZ-20

Equalisers		
EQL-870-020	32004282	Linear equaliser, 2 dB, 1 inch
EQL-870-030	32004283	Linear equaliser, 3 dB, 1 inch
EQL-870-040	32004284	Linear equaliser, 4 dB, 1 inch
EQL-870-050	32004285	Linear equaliser, 5 dB, 1 inch
EQL-870-060	32004286	Linear equaliser, 6 dB, 1 inch
EQL-870-070	32004287	Linear equaliser, 7 dB, 1 inch
EQL-870-080	32004288	Linear equaliser, 8 dB, 1 inch
EQL-870-090	32004289	Linear equaliser, 9 dB, 1 inch
EQL-870-100	32004290	Linear equaliser, 10 dB, 1 inch
EQL-870-110	32004291	Linear equaliser, 11 dB, 1 inch
EQL-870-120	32004292	Linear equaliser, 12 dB, 1 inch
EQL-870-130	32004293	Linear equaliser, 13 dB, 1 inch
EQL-1GHZ-020	32004270	Linear equaliser, 2 dB, 1 inch
EQL-1GHZ-030	32004271	Linear equaliser, 3 dB, 1 inch
EQL-1GHZ-040	32004272	Linear equaliser, 4 dB, 1 inch
EQL-1GHZ-050	32004273	Linear equaliser, 5 dB, 1 inch
EQL-1GHZ-060	32004274	Linear equaliser, 6 dB, 1 inch
EQL-1GHZ-070	32004275	Linear equaliser, 7 dB, 1 inch
EQL-1GHZ-080	32004276	Linear equaliser, 8 dB, 1 inch
EQL-1GHZ-090	32004277	Linear equaliser, 9 dB, 1 inch
EQL-1GHZ-100	32004278	Linear equaliser, 10 dB, 1 inch
EQL-1GHZ-110	32004279	Linear equaliser, 11 dB, 1 inch
EQL-1GHZ-120	32004280	Linear equaliser, 12 dB, 1 inch
EQL-1GHZ-130	32004281	Linear equaliser, 13 dB, 1 inch

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# **Access network**

RF access passive

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Equalise	rs	
BB475803-7	19003052	Magnavox 72E forward equaliser, 862 MHz, 3 dB
BB475806-7	32000283	Magnavox 72E forward equaliser, 862 MHz, 6 dB
BB475808-7	19002788	Magnavox 72E forward equaliser, 862 MHz, 8 dB
BB475810-7	19002789	Magnavox 72E forward equaliser, 862 MHz, 10 dB
BB475811-7	19002790	Magnavox 72E forward equaliser, 862 MHz, 11 dB
BB475812-7	32000300	Magnavox 72E forward equaliser, 862 MHz, 12 dB
BB475814-7	19002792	Magnavox 72E forward equaliser, 862 MHz, 14 dB
BB475816-7	19004340	Magnavox 72E forward equaliser, 862 MHz, 16 dB
BB475817-7	19002987	Magnavox 72E forward equaliser, 862 MHz, 17 dB
BB475820-7	32000312	Magnavox 72E forward equaliser, 862 MHz, 20 dB
BB475822-7	19004341	Magnavox 72E forward equaliser, 862 MHz, 22 dB
BB475823-7	19002988	Magnavox 72E forward equaliser, 862 MHz, 23 dB
BB475824-7	32000318	Magnavox 72E forward equaliser, 862 MHz, 24 dB
BB475826-7	32000321	Magnavox 72E forward equaliser, 862 MHz, 26 dB





Equalisers		
SXP 00 ATTEN	72000000	0 dB, yellow
SXP 01 DB PAD	72000001	1 dB, yellow
SXP 02 DB PAD	72000002	2 dB, yellow
SXP 03 DB PAD	72000003	3 dB, yellow
SXP 04 DB PAD	72000004	4 dB, yellow
SXP 05 DB PAD	72000005	5 dB, yellow
SXP 06 DB PAD	72000006	6 dB, yellow
SXP 07 DB PAD	72000007	7 dB, yellow
SXP 08 DB PAD	72000008	8 dB, yellow
SXP 09 DB PAD	72000009	9 dB, yellow
SXP 10 DB PAD	72000010	10 dB, yellow
SXP 11 DB PAD	72000011	11 dB, yellow
SXP 12 DB PAD	72000012	12 dB, yellow
SXP 13 DB PAD	72000013	13 dB, yellow
SXP 14 DB PAD	72000014	14 dB, yellow
SXP 15 DB PAD	72000015	15 dB, yellow
SXP 16 DB PAD	72000016	16 dB, yellow
SXP 17 DB PAD	72000017	17 dB, yellow
SXP 18 DB PAD	72000018	18 dB, yellow
SXP 19 DB PAD	72000019	19 dB, yellow
SXP 20 DB PAD	72000020	20 dB, yellow



The products shown in this section are passive devices used in the final mile of an RF network. A range of passive products are available such as taps, splitters and power inserters.

# SA® style outdoor passives and multitaps

- Our SA style range is designed to be fully compatible with Scientific Atlanta<sup>®</sup> (Cisco<sup>®</sup>) outdoor passive products
- Ingress Safe unique passive ingress reduction technology built into all tap and splitter products
- Excellent RF and hum modulation performance
- AC-RF bypass switch fitted to all outdoor taps, allowing faceplates to be changed without loss of power or RF
- Option to incorporate plug-in signal conditioning modules in all outdoor taps for return path enhancement with DOCSIS 3.0
- Designed for extreme environmental conditions

### Line power inserters

OPIS OPIS Power inserter, SA style, outdoor

Compatible with Scientific Atlanta SAIG power inserters

Line splitters		
0SS-02/I	10480970	2-way outdoor splitter, SA style
0SS-03/I	10480971	3-way outdoor splitter, SA style
0SS-33/I	10480972	3-way outdoor splitter, unbalanced, SA style

Compatible with Scientific Atlanta SAS series splitters

Line directional couplers		
0DCS-08	10480551	Directional coupler, outdoor, 8 dB, SA style
0DCS-12	10480554	Directional coupler, outdoor, 12 dB, SA style
0DCS-16	10480556	Directional coupler, outdoor, 16 dB, SA style

Compatible with Scientific Atlanta SADC directional couplers



OTS-4-8/IC-T



OTS-8-11/IC-T

Multitaps		
)TS-2-4/IC-T	19003759	2-way outdoor tap, conditioning, 4 dB, terminated, SA style
)TS-2-8/IC	19003760	2-way outdoor tap, 8 dB, conditioning, SA style
)TS-2-11/IC	19003761	2-way outdoor tap, 11 dB, conditioning, SA style
)TS-2-14/IC	19003762	2-way outdoor tapP, 14 dB, conditioning, SA style
)TS-2-17/IC	19003763	2-way outdoor tap, 17 dB, conditioning, SA style
)TS-2-20/IC	19003764	2-way outdoor tap, 20 dB, conditioning, SA style
)TS-4-8/IC-T	19003765	4-way outdoor tap, 8 dB, conditioning, terminated, SA style
)TS-4-11/IC	19003766	4-way outdoor tap, 11 dB, conditioning, SA style
)TS-4-14/IC	19003767	4-way outdoor tap, 14 dB, conditioning, SA style
)TS-4-17/IC	19003768	4-way outdoor tap, 17 dB, conditioning, SA style
)TS-4-20/IC	19003769	4-way outdoor tap, 20 dB, conditioning, SA style
)TS-4-23/IC	19003770	4-way outdoor tap, 23 dB, conditioning, SA style
)TS-4-26/IC	19003771	4-way outdoor tap, 26 dB, conditioning, SA style
)TS-4-29/IC	19003772	4-way outdoor tap, 29 dB, conditioning, SA style
)TS-4-32/IC	19003773	4-way outdoor tap, 32 dB, conditioning, SA style
)TS-8-11/IC-T	19003774	8-way outdoor tap, 11 dB, conditioning, terminated, SA style
)TS-8-14/IC	19003775	8-way outdoor tap, 14 dB, conditioning, SA style
)TS-8-17/IC	19003776	8-way outdoor tap, 17 dB, conditioning, SA style
)TS-8-20/IC	19003777	8-way outdoor tap, 20 dB, conditioning, SA style
)TS-8-23/IC	19003778	8-way outdoor tap, 23 dB, conditioning, SA style
)TS-8-26/IC	19003779	8-way outdoor tap, 26 dB, conditioning, SA style

Notes: non-conditioning and faceplate only variants also available, compatible with standard Scientific Atlanta taps



OSS-02/I

# Philips<sup>®</sup> style outdoor passives and multitaps

- Our Philips style range is designed to be fully compatible with Philips (Magnaxox<sup>®</sup> or CCOR<sup>®</sup>) outdoor passive products
- Ingress Safe unique passive ingress reduction technology built into all tap and splitter products
- Excellent RF and hum modulation performance
- AC-RF bypass switch fitted to all outdoor taps, allowing faceplates to be changed without loss of power or RF
- Option to incorporate plug-in signal conditioning modules in all outdoor taps
- Designed for extreme environmental conditions

### Line power inserters

0P19	OPI9	Power inserter, outdoor, Philips compatible
Compatible with Dhilling O. I. Discover incontene		

Compatible with Philips 9-LPI power inserters

Line splitters		
0S9-02/I	10480453	2-way outdoor splitter, Philips style
0S9-03/I	10480454	3-way outdoor splitter, Philips style
0S9-33/I 10480456 3-way outdoor splitter, unbalanced, Philips style		

Compatible with Philips 9-TFC series splitters

Line directional couplers		
0DC9-08	10480455	Directional coupler, 8 dB, Philips 9000 style
0DC9-12	10480457	Directional coupler, 12 dB, Philips 9000 style
0DC9-16	10480459	Directional coupler, 16 dB, Philips 9000 style

Compatible with Philips 9-TFC series directional couplers



OT9-4-8/I-T



OT9-8-11/I-T

Multitaps		
0T9-2-4/I-T	10480205	2-way outdoor tap, 4 dB, terminated, Philips 9000 style
0T9-2-8/I	10480209	2-way outdoor tap, 8 dB, Philips 9000 style
0T9-2-11/I	10480212	2-way outdoor tap, 11 dB, Philips 9000 style
0T9-2-14/I	10480215	2-way outdoor tap, 14 dB, Philips 9000 style
0T9-2-17/I	10480218	2-way outdoor tap, 17 dB, Philips 9000 style
0T9-2-20/I	10480221	2-way outdoor tap, 20 dB, Philips 9000 style
0T9-2-23/I	10480224	2-way outdoor tap, 23 dB, Philips 9000 style
0T9-2-26/I	10480227	2-way outdoor tap, 26 dB, Philips 9000 style
0T9-2-29/I	10480230	2-way outdoor tap, 29 dB, Philips 9000 style
0T9-4-8/I-T	10480409	4-way outdoor tap, 8 dB, terminated, Philips 9000 style
0T9-4-11/I	10480412	4-way outdoor tap, 11 dB, Philips 9000 style
0T9-4-14/I	10480415	4-way outdoor tap, 14 dB, Philips 9000 style
0T9-4-17/I	10480418	4-way outdoor tap, 17 dB, Philips 9000 style
0T9-4-20/I	10480421	4-way outdoor tap, 20 dB, Philips 9000 style
0T9-4-23/I	10480424	4-way outdoor tap, 23 dB, Philips 9000 style
0T9-4-26/I	10480427	4-way outdoor tap, 26 dB, Philips 9000 style
0T9-4-29/I	10480431	4-way outdoor tap, 29 dB, Philips 9000 style
0T9-4-32/I	10480432	4-way outdoor tap, 32 dB, Philips 9000 style
0T9-8-11/I-T	10480812	8-way outdoor tap, 11 dB terminated, Philips 9000 style
0T9-8-14/I	10480815	8-way outdoor tap, 14 dB, Philips 9000 style
0T9-8-17/I	10480818	8-way outdoor tap, 17 dB, Philips 9000 style
0T9-8-20/I	10480821	8-way outdoor tap, 20 dB, Philips 9000 style
0T9-8-23/I	10480824	8-way outdoor tap, 23 dB, Philips 9000 style
0T9-8-26/I	10480827	8-way outdoor tap, 26 dB, Philips 9000 style
0T9-8-29/I	10480830	8-way outdoor tap. 29 dB. Philips 9000 style

Notes: faceplate only variants also available, compatible with Philips 9000 PBT taps



OS9-02/I

Uptical access active

# technetix

# **Regal<sup>®</sup> style outdoor passives and multitaps**

- Our Regal style range is designed to be fully compatible with Regal (Arris®) outdoor passive products •
- Ingress Safe unique passive ingress reduction technology built into all tap and splitter products •
- Excellent RF and hum modulation performance
- AC-RF bypass switch fitted to all outdoor taps, allowing faceplates to be changed without loss of • power or RF

- Option to incorporate plug-in signal conditioning modules in all outdoor taps
- Designed for extreme environmental conditions

Line power inserters		
ODPIR	10470128	Power inserter, outdoor, Regal style
OSR-02/PI 19003906 2-way outdoor splitter, power inserter, Regal style		
Compatible with Pagal PPI power insertors		

Compatible with Regal RPI power inserters

Line splitters		
0SR-02/I	10470164	2-way outdoor splitter, Regal style
0SR-03/I	10470165	3-way outdoor splitter, Regal style
0SR-33/I	10470166	3-way outdoor splitter, unbalanced, Regal style

Compatible with Regal RLS series splitters

Line directional couplers		
0DCR-08	10470132	Directional coupler, outdoor, 8 dB, Regal style
0DCR-12	10470133	Directional coupler, outdoor, 12 dB, Regal style
0DCR-16	10470134	Directional coupler, outdoor, 16 dB, Regal style

Compatible with Regal RLDC directional couplers



OTR-4-8/IC-T



OTR-8-14/IC

Multitaps		
0TR-2-4/IC-T	19003736	2-way outdoor tap, 4 dB, conditioning, terminated, Regal style
OTR-2-8/IC	19003737	2-way outdoor tap, 8 dB, conditioning, Regal style
0TR-2-11/IC	19003738	2-way outdoor tap, 11 dB, conditioning, Regal style
0TR-2-14/IC	19003739	2-way outdoor tap, 14 dB, conditioning, Regal style
0TR-2-17/IC	19003740	2-way outdoor tap, 17 dB, conditioning, Regal style
0TR-2-20/IC	19003741	2-way outdoor tap, 20 dB, conditioning, Regal style
0TR-4-8/IC-T	19003742	4-way outdoor tap, 8 dB, conditioning, terminated, Regal style
0TR-4-11/IC	19003743	4-way outdoor tap, 11 dB, conditioning, Regal style
0TR-4-14/IC	19003744	4-way outdoor tap, 14 dB, conditioning, Regal style
0TR-4-17/IC	19003745	4-way outdoor tap, 17 dB, conditioning, Regal style
0TR-4-20/IC	19003746	4-way outdoor tap, 20 dB, conditioning, Regal style
0TR-4-23/IC	19003747	4-way outdoor tap, 23 dB, conditioning, Regal style
0TR-4-26/IC	19003748	4-way outdoor tap, 26 dB, conditioning, Regal style
0TR-4-29/IC	19003749	4-way outdoor tap, 29 dB, conditioning, Regal style
0TR-4-32/IC	19003750	4-way outdoor tap, 32 dB, conditioning, Regal style
0TR-8-11/IC-T	19003751	8-way outdoor tap, 11 dB, conditioning, terminated, Regal style
0TR-8-14/IC	19003752	8-way outdoor tap, 14 dB, conditioning, Regal style
0TR-8-17/IC	19003753	8-way outdoor tap, 17 dB, conditioning, Regal style
0TR-8-20/IC	19003754	8-way outdoor tap, 20 dB, conditioning, Regal style
0TR-8-23/IC	19003755	8-way outdoor tap, 23 dB, conditioning, Regal style
0TR-8-26/IC	19003756	8-way outdoor tap, 26 dB, conditioning, Regal style
0TR-8-29/IC	19003757	8-way outdoor tap, 29 dB, conditioning, Regal style
0TR-8-32/IC	19003758	8-way outdoor tap, 32 dB, conditioning, Regal style

Notes: non-conditioning and faceplate only variants also available, compatible with Regal RMT20 taps



# Access network

RF access passive

# DGOT galvanic isolated port multitaps

- Robust aluminium housing with Alocrom<sup>®</sup> conversion coating designed for extreme temperatures •
- Ingress Safe unique passive ingress reduction technology •
- Individual double galvanic isolation to all subscriber ports •
- All connections front accessible •
- MoCA® filter prevents MoCA® signals from traveling through the network and into neighbouring • properties

DGOT		
DGOT-2-4/I-T	19000679	Outdoor isolated tap, 2-4, terminated
DG0T-2-8/I	19000680	Outdoor isolated tap, 2-8
DG0T-2-11/I	19000675	Outdoor isolated tap, 2-11
DG0T-2-14/I	19000676	Outdoor isolated tap, 2-14
DG0T-2-17/I	19000677	Outdoor isolated tap, 2-17
DG0T-2-20/I	19000678	Outdoor isolated tap, 2-20
DGOT-4-8/I-T	19000685	Outdoor isolated tap, 4-8, terminated
DG0T-4-11/I	19000681	Outdoor isolated tap, 4-11
DG0T-4-14/I	19000682	Outdoor isolated tap, 4-14
DG0T-4-17/I	19000683	Outdoor isolated tap, 4-17
DG0T-4-20/I	19000684	Outdoor isolated tap, 4-20
DG0T-8-11/I-T	19000686	Outdoor isolated tap, 8-11, terminated
DGOT-8-14/I	19000687	Outdoor isolated tap, 8-14
DG0T-8-17/I	19000688	Outdoor isolated tap, 8-17
DG0T-8-20/I	19000689	Outdoor isolated tap, 8-20





DGOT power passing				
DGOT-2-8/I/P	19001985	Outdoor isolated tap, 2-08, with power passing		
DGOT-2-11/I/P	19001986	Outdoor isolated tap, 2-11, with power passing		
DG0T-2-14/I/P	19001987	Outdoor isolated tap, 2-14, with power passing		
DG0T-2-17/I/P	19001988	Outdoor isolated tap, 2-17, with power passing		
DG0T-2-20/I/P	19001989	Outdoor isolated tap, 2-20, with power passing		
DGOT-4-11/I/P	19001990	Outdoor isolated tap, 4-11, with power passing		
DGOT-4-14/I/P	19001991	Outdoor isolated tap, 4-14, with power passing		
DG0T-4-17/I/P	19001992	Outdoor isolated tap, 4-17, with power passing		
DG0T-4-20/I/P	19001993	Outdoor isolated tap, 4-20, with power passing		
DGOT-8-14/I/P	19001994	Outdoor isolated tap, 8-14, with power passing		
DG0T-8-17/I/P	19001995	Outdoor isolated tap, 8-17, with power passing		
DG0T-8-20/I/P	19001996	Outdoor isolated tap, 8-20, with power passing		

DGOT power passing with MoCA <sup>®</sup> power over Ethernet filter on each port				
DGOT-2-8/IMP	19003575	2-way outdoor isolated tap,, 8 dB, MoCA® enhancing, power passing		
DGOT-2-11/IMP	19003576	2-way outdoor isolated tap, 11 dB, MoCA® enhancing, power passing		
DGOT-2-14/IMP	19003577	2-way outdoor isolated tap, 14 dB, MoCA® enhancing, power passing		
DGOT-2-17/IMP	19003578	2-way outdoor isolated tap, 17 dB, MoCA $^{\otimes}$ enhancing, power passing		
DGOT-2-20/IMP	19003579	2-way outdoor isolated tap, 20 dB, MoCA® enhancing, power passing		
DGOT-4-8/IMT	19003580	4-way outdoor isolated tap, 8 dB, terminated, MoCA® enhancing, power passing		
DGOT-4-11/IMP	19003581	4-way outdoor isolated tap, 11 dB, MoCA® enhancing, power passing		
DGOT-4-14/IMP	19003582	4-way outdoor isolated tap, 14 dB, MoCA® enhancing, power passing		
DGOT-4-17/IMP	19003583	4-way outdoor isolated tap, 17 dB, MoCA® enhancing, power passing		
DGOT-4-20/IMP	19003584	4-way outdoor isolated tap, 20 dB, MoCA® enhancing, power passing		
DGOT-8-11/I/M-T	19003457	Outdoor isolated tap, 8-11, terminated, MoCA® enhancing		
DGOT-8-14/IMP	19003585	8-way outdoor isolated tap, 14 dB, MoCA® enhancing, power passing		
DGOT-8-17/IMP	19003586	8-way outdoor isolated tap, 17 dB, MoCA® enhancing, power passing		
DGOT-8-20/IMP	19003587	8-way outdoor isolated tap, 20 dB, MoCA® enhancing, power passing		



# technetix

# Brilliantline headend and cabinet passives

Our core range of access network products is built to cope with the harshest of network environments and use the highest possible quality of materials to provide excellent RF performance.

- Ultra high-quality headend and cabinet grade splitters and taps
- Excellent intermodulation performance by ferrite (1.2/50 µs surge)
- CPD Safe NiSn housing and F-inner spring plating
- Operational temperature range from -25°C to +70°C
- Isolated mounting facility with cable underpass
- Exceeds EN Class A screening requirements

Splitte	ers	
SBN-02	10100005	2-way, splitter with NiSn
SBN-03	10100006	3-way, splitter with NiSn
SBN-33	10100008	SBN-33, with NiSn
SBN-04	10100007	4-way splitter, with NiSn

SBN-02





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TTBN-13



TBN-1-6



Taps		
TBN-1-6	10100054	1-way tap, 6 dB
TBN-1-8	10100055	1-way tap, 8 dB
TBN-1-10	10100056	1-way tap, 10 dB
TBN-1-12	10100057	1-way tap, 12 dB
TBN-1-16	10100058	1-way tap, 16 dB
TBN-1-20	10100059	1-way tap, 20 dB
TBN-1-24	10100060	1-way tap, 24 dB
TBN-1-30	10100061	1-way tap, 30 dB
TBN-2-8	10100062	2-way tap, 8 dB
TBN-2-10	10100063	2-way tap, 10 dB
TBN-2-12	10100064	2-way tap, 12 dB
TBN-2-16	10100065	2-way tap, 16 dB
TBN-2-20	10100066	2-way tap, 20 dB
TBN-2-24	10100067	2-way tap, 24.0 dB
TBN-3-12	10100069	3-way tap, 12 dB
TBN-3-16	10100070	3-way tap, 16 dB
TBN-3-20	10100071	3-way tap, 20 dB
TBN-3-24	10100072	3-way tap, 24 dB
TBN-3-30	10100073	3-way tap, 30 dB
TTBN-13	10100052	13-way unequal output tap, 12 dB-19 dB

Access network **RF** access passive

# Ecoline in home and cabinet passives

This section contains a selection of our core range of external cabinet products containing our patented Ingress Safe and Modem Safe technologies.

- High-quality installation splitters and taps •
- Modem Safe surge protection and intermodulation reduction solution •
- CPD Safe Tin-Nickel plated housing •
- Easy to install compact and stackable in-line model •
- 7 mm stand-off space to fit cable underneath •
- Grounding block option available •
- **Exceeds EN Class A screening requirements** •
- Ingress Safe unique passive ingress reduction technology (ESI range) •





Splitte	rs	
ESI-02N	10430089	2-way splitter, 3.6 dB / 4 dB, NiSn plating
TESI-02N	10430095	Unidirectional 2-way splitter, 3.6 dB / 4 dB, NiSn plating
ESI-03N	10430090	3-way splitter, two x 6.1 dB / 6.5 dB, NiSn plating
TESI-03N	10430096	Unidirectional 3-way splitter, two x 6.1 dB / 6.5 dB, NiSn plating
ESI-33N	10430091	3-way unbalanced splitter, 3.7 dB / 7.3 dB / 7.7 dB, NiSn plating
TESI-33N	10430097	Unidirectional 3-way unbalanced splitter, 3.7 dB / 7.3 dB / 7.7 dB, NiSn plating
ESI-04N	10430092	4-way splitter, two x 7.7 dB / two x 7.3 dB, NiSn plating
TESI-04N	10430098	Unidirectional 4-way splitter, two x 7.7 dB / two x 7.3 dB, NiSn plating
ESI-06N	10430093	6-way splitter, three x 10.5 dB / three x 10 dB, NiSn plating
ESI-08N	10430094	8-way splitter, four x 10.8 dB / four x 11.2 dB, NiSn plating

Notes: grounding block variants also available



TESI-02N





ESI-03N



ESI-06N



1-way ta	ps	
ET-1-6+/N	10430074	1-way tap, 6 dB, NiSn plating
ET-1-8+/N	10430075	1-way tap, 8 dB, NiSn plating
ET-1-10+/N	10430076	1-way tap, 10 dB, NiSn plating
ET-1-12+/N	10430077	1-way tap, 12 dB, NiSn plating
ET-1-16+/N	10430078	1-way tap, 16 dB, NiSn plating
ET-1-20+/N	10430080	1-way tap, 20 dB, NiSn plating
ET-1-24+/N	10430019	1-way tap, 24 dB, NiSn plating
ET-1-30+/N	10430018	1-way tap, 30 dB, NiSn plating
TET-1-6+/N	10430414	Unidirectional 1-way tap, 6 dB, NiSn plating
TET-1-8+/N	10430415	Unidirectional 1-way tap, 8 dB, NiSn plating
TET-1-10+/N	10430416	Unidirectional 1-way tap, 10 dB, NiSn plating
TET-1-12+/N	10430417	Unidirectional 1-way tap, 12 dB, NiSn plating
TET-1-16+/N	10430418	Unidirectional 1-way tap, 16 dB, NiSn plating
TET-1-20+/N	10430419	Unidirectional 1-way tap, 20 dB, NiSn plating
TET-1-24+/N	10430420	Unidirectional 1-way tap, 24 dB, NiSn plating
TET-1-30+/N	10430421	Unidirectional 1-way tap, 30 dB, NiSn plating

# Ecoline in home and cabinet passives (continued)

2-way taps	2-way taps			
ET-2-8+/N	10430081	2-way tap, 8 dB, NiSn plating		
ET-2-10+/N	10430082	2-way tap, 10 dB, NiSn plating		
ET-2-12+/N	10430085	2-way tap, 12 dB, NiSn plating		
ET-2-14+/N	10430034	2-way tap, 14 dB, NiSn plating		
ET-2-16+/N	10430083	2-way tap, 16 dB, NiSn plating		
ET-2-20+/N	10430084	2-way tap, 20 dB, NiSn plating		
ET-2-24+/N	10430086	2-way tap, 24 dB, NiSn plating		
TET-2-8+/N	10430422	Unidirectional 2-way tap, 8 dB, NiSn plating		
TET-2-10+/N	10430423	Unidirectional 2-way tap, 10 dB, NiSn plating		
TET-2-12+/N	10430424	Unidirectional 2-way tap, 12 dB, NiSn plating		
TET-2-16+/N	10430425	Unidirectional 2-way tap, 16 dB, NiSn plating		
TET-2-20+/N	10430426	Unidirectional 2-way tap, 20 dB, NiSn plating		
TET-2-24+/N	10430427	Unidirectional 2-way tap, 24 dB, NiSn plating		
TET-2-30+/N	10430428	Unidirectional 2-way tap, 30 dB, NiSn plating		
ET-4-12+/N	10430404	4-way tap, 12 dB, NiSn plating		
ET-4-16+/N	10430405	4-way tap, 16 dB, NiSn plating		
ET-4-20+/N	10430406	4-way tap, 20 dB, NiSn plating		
TET-4-12+/N-T	10430430	unidirectional 4-way tap, 12 dB, NiSn plating		
ET-5-12+/N-T	10430050	5-way tap, 12.5 dB, 13.5 dB, three x 14.5 dB, NiSn plating		

4-way taps			
ET-4-12+/N	10430404	4-way tap, 12 dB, NiSn plating	
ET-4-16+/N	10430405	4-way tap, 16 dB, NiSn plating	
ET-4-20+/N	10430406	4-way tap, 20 dB, NiSn plating	
TET-4-12+/N-T	10430430	Unidirectional 4-way tap, 12 dB, NiSn plating	

### 5-way taps ET-5-12+/N-T 10

ET-5-12+/N-T	1043005	5-way tap, 12.5 dB, 13.5 dB, three x 14.5 dB, NiSn plating
Loop-through taps		
	10400400	6 year tap and loop through 10 E dD 17 E dD loop through 7 dD NiCo ploting

MIE-6+/N	10430408	6-way tap and loop through, 12.5 dB - 17.5 dB, loop through, 7 dB, NiSn plating
MTE-8+/N	10430408	8-way tap and loop through, 12.5 dB - 19.5 dB, loop through, 7ddB, NiSn plating





technetix

ET-5-12+/N-T





MTE-6+/N





MTE-8+/N

ES-TA-30-30AA

Tap assem	Tap assemblies								
ES-TA-30	19003313	Tap assembly with 1 x 30 port bank							
ES-TA-30-30AA	19003315	ART# with all accessories (SOB + HP)							
ES-TA-48	10430120	48-way tapbank, straight							

Access network

# Transition line transformer (TLT), multi dwelling unit (MDU), and cabinet multitaps

A full range of 2-way, 4-way, 8-way, and 16-way compact taps for cabinet and in building use, containing our patented Ingress Safe and Modem Safe technologies.

- Ingress Safe unique passive ingress reduction technology
- Modem Safe unique surge protection and intermodulation reduction solution
- CPD Safe robust zinc die-cast housing with NiSn plating
- Exceeds EN Class A screening requirements
- F-connector inner spring accepts 0.56 mm to 1.30 mm inner conductors
- High port-to-port isolation performance
- Full 5 to 1006 MHz frequency range

TLT		
TLT-2-4+/I-T	10930588	2-way tap, 4 dB, terminated
TLT-2-8+/I-T	10930589	2-way tap, 8 dB, terminated
TLT-2-11+/I	10930590	2-way tap, 11 dB
TLT-2-14+/I	10930591	2-way tap, 14 dB
TLT-2-17+/I	10930592	2-way tap, 17 dB
TLT-2-20+/I	10930593	2-way tap, 20 dB
TLT-2-23+/I	10930594	2-way tap, 23 dB
TLT-2-26+/I	10930595	2-way tap, 26 dB
TLT-2-29+/I	10930596	2-way tap, 29 dB
TLT-2-32+/I	10930597	2-way tap, 32 dB
TLT-4-8+/I-T	10930598	4-way tap, 8 dB, terminated
TLT-4-11+/I	10930599	4-way tap, 11 dB
TLT-4-14+/I	10930600	4-way tap, 14 dB
TLT-4-17+/I	10930601	4-way tap, 17 dB
TLT-4-20+/I	10930602	4-way tap, 20 dB
TLT-4-23+/I	10930603	4-way tap, 23 dB
TLT-4-26+/I	10930604	4-way tap, 26 dB
TLT-4-29+/I	10930605	4-way tap, 29 dB
TLT-4-32+/I	10930606	4-way tap, 32 dB
TLT-8-11+/I-T	10930608	8-way tap, 11 dB, terminated
TLT-8-14+/I	10930609	8-way tap, 14 dB
TLT-8-17+/I	10930610	8-way tap, 17 dB
TLT-8-20+/I	10930611	8-way tap, 20 dB
TLT-8-23+/I	10930612	8-way tap, 23 dB
TLT-8-26+/I	10930613	8-way tap, 26 dB
TLT-8-29+/I	10930614	8-way tap, 29 dB
TLT-8-32+/I	10930615	8-way tap, 32 dB
TLT-16-14+/I-T	10931615	16-way tap, 14 dB, terminated
TLT-16-17+/I-T	10931616	16-way tap, 17 dB, terminated
TLT-16-21+/I-T	10931618	16-way tap, 1 dB, terminated
TLT-16-24+/I-T	10931619	16-way tap, 24 dB, terminated
TLT-16-27+/I-T	10931620	16-way tap, 27 dB, terminated

TLT-2-8+/I-T



TLT-8-17+/I





# technetix

## Availability - wherever, whenever

As consumers gain greater access to high-speed data and high-definition digital content, they want to distribute it to a greater variety of devices. The resulting rise in networked products creates a significant increase in the demand for bandwidth.

Our Connected Home solutions enable high quality signals to be received at multiple points within a home; reducing or eliminating operator installation and maintenance costs.

# Connected Home

### Installation splitters

- Baseline in home splitters
- Ecoline in home and cabinet passives
- Indoor MoCA<sup>®</sup> enhanced splitters

### Inline galvanic isolators and wall outlets

- Inline isolators
- Wall outlets

# Amplifiers and signal conditioning

- Cabinet and in home signal conditioning
- In home amplifiers
- Push-on amplifiers

# Customer premises equipment and peripherals

- RF cables
- AV cables
- NetX data fly leads
- Connectors and adaptors
- UK telephone and data outlets

### Ethernet in home distribution

- Plastic optical fibre self-install in home networking kit
- Ethernet over micro unshielded twisted pair
- Powerline in home data networking
- MoCA<sup>®</sup> in home self-install data networking bridges and dongles

# Installation splitters

# technetix

BESL-02

A comprehensive range of high-quality installation taps and splitters for the distribution of RF signals around the home. Various housing styles ensure that the installation can be tailored to meet the cable entry and distribution location requirements.

# **Baseline in home splitters**

- Ingress Safe — unique passive ingress reduction technology
- Modem Safe surge protection and intermodulation reduction solution
- CPD Safe Tin-Nickel plated housing (ESI range)

Baselin	Baseline series splitters									
Legacy code	Article number	Bandwidth (MHz)	Output ports	Max attenuation	ingress safe	Grounding lug				
BESL-02	10930630	5-1000	2	3.7 dB, 4.0 dB	✓	~				
BESL-03	10930631	5-1000	3	6.0 dB	✓	~				
BESL-04	10930632	5-1000	4	2 x 7.3 dB, 2 x 7.4 dB	~	~				





- Ingress Safe unique passive ingress reduction technology
- Modem Safe surge protection and intermodulation reduction solution
- CPD Safe Tin-Nickel plated housing (ESI range)

Splitter	s								
Legacy code	Article number	Bandwidth (MHz)	Output ports	Max attenuation	modemsafe	ingress safe	cpd safe	Uni- directional	Grounding lug version available
ESI-02N	10430089	5-1000	2	3.6 dB, 4.0 dB	~	~	~		~
TESI-02N	10430095	5-1000	2	3.6 dB, 4.0 dB	~	~	~	✓	~
ESI-03N	10430090	5-1000	3	2 x 6.1 dB, 6.5 dB	~	~	~		1
TESI-03N	10430096	5-1000	3	2 x 6.1 dB, 6.5 dB	~	~	~	✓	✓
ESI-33N	10430091	5-1000	3	3.7 dB, 7.3 dB, 7.7 dB (Unbalanced)	~	~	~		✓
TESI-33N	10430097	5-1000	3	3.7 dB, 7.3 dB, 7.7 dB (Unbalanced)	~	~	~	✓	✓
ESI-04N	10430092	5-1000	4	2 x 7.7 dB, 2 x 7.3 dB	~	~	~		✓
TESI-04N	10430098	5-1000	4	2 x 7.7 dB, 2 x 7.3 dB	✓	~	~	✓	✓
ESI-06N	10430093	5-1000	6	3 x 10.5 dB, 3 x 10.0 dB	~	~	~		
ESI-08N	10430094	5-1000	8	4 x 10.8 dB, 4 x 11.2 dB	~	~	~		







TESI-02N



ESI-08N



ESI-03N





### Ecoline series taps

Legacy code	Article number	Bandwidth (MHz)	Output ports	Max attenuation	modem safe	cpd safe	Uni- directional	Grounding lug version available
ET-1-6+/N	10430074	5-1000	1	6.0 dB	✓	✓		~
ET-1-8+/N	10430075	5-1000	1	8.0 dB	✓	✓		
ET-1-10+/N	10430076	5-1000	1	10.0 dB	✓	~		~
ET-1-12+/N	10430077	5-1000	1	12.0 dB	✓	✓		✓
ET-1-16+/N	10430078	5-1000	1	16.0 dB	✓			
ET-1-20+/N	10430080	5-1000	1	20.0 dB	✓	✓		✓
ET-1-24+/N	10430019	5-1000	1	24.0 dB	✓	✓		✓
ET-1-30+/N	10430018	5-1000	1	30.0 dB	✓	~		
ET-2-8+/N	10430081	5-1000	2	8.0 dB	✓	✓		✓
ET-2-10+/N	10430082	5-1000	2	10.0 dB	✓	~		✓
ET-2-12+/N	10430085	5-1000	2	12.0 dB	✓	✓		✓
ET-2-14+/N	10430034	5-1000	2	14.0 dB	✓	~		
ET-2-16+/N	10430083	5-1000	2	16.0 dB	✓	✓		✓
ET-2-20+/N	10430084	5-1000	2	20.0 dB	✓	~		✓
ET-2-24+/N	10430086	5-1000	2	24.0 dB	✓	✓		✓
ET-4-12+/N	10430404	5-1000	4	12.0 dB	✓	✓		✓
ET-4-16+/N	10430405	5-1000	4	16.0 dB	✓	✓		✓
ET-4-20+/N	10430406	5-1000	4	20.0 dB	✓	~		✓
ET-5-12+/N-T	10430050	5-1000	5	12.5 dB, 13.5 dB, 3 x 14.5 dB	~	~		
TET-1-6+/N	10430414	5-1000	1	6.0 dB	✓	✓	✓	
TET-1-8+/N	10430415	5-1000	1	8.0 dB	✓	✓	✓	✓
TET-1-10+/N	10430416	5-1000	1	10.0 dB	✓	✓	✓	✓
TET-1-12+/N	10430417	5-1000	1	12.0 dB	✓	✓	✓	✓
TET-1-16+/N	10430418	5-1000	1	16.0 dB	✓	✓	✓	✓
TET-1-20+/N	10430419	5-1000	1	20.0 dB	✓	✓	✓	~
TET-1-24+/N	10430420	5-1000	1	24.0 dB	✓	✓	✓	
TET-1-30+/N	10430421	5-1000	1	30.0 dB	✓	$\checkmark$	✓	
TET-2-8+/N	10430422	5-1000	2	8.0 dB	✓	$\checkmark$	✓	~
TET-2-10+/N	10430423	5-1000	2	10.0 dB	✓	✓	✓	~
TET-2-12+/N	10430424	5-1000	2	12.0 dB	✓	$\checkmark$	✓	~
TET-2-16+/N	10430425	5-1000	2	16.0 dB	✓	✓	✓	✓
TET-2-20+/N	10430426	5-1000	2	20.0 dB	✓	~	✓	~
TET-2-24+/N	10430427	5-1000	2	24.0 dB	✓	~	1	
TET-2-30+/N	10430428	5-1000	2	30.0 dB	✓	~	✓	
TET-4-12+/N-T	10430430	5-1000	4	12.0 dB	✓	✓	✓	✓

# Connected home





ET-2-8+/N





# Indoor MoCA® enhanced splitters

Technetix has developed splitter technology that does not rely on reflecting waves to reduce the isolation between output ports in the MoCA® frequency range. Within the home the predictable, conditioned, flat port to port transmission delivered by our splitters greatly enhances the overall MoCA® data speed, optimising the total two-way performance of in-home MoCA® networks.

Indoor	MoCA®	enhand	ced s	olitters				
Legacy code	Article number	Bandwidth (MHz)	Output ports	Max attenuation	Ingress safe	MoCA®	Grounding lug	Details
XQT-SP3-2	19003257	5-1575	2	4.2 dB, 4.5 dB	~	~	~	
XQT-SP3-33	19004409	5-1575	3	9.0 dB	~	~	~	
XQT-SP3-4	19004339	5-1575	4	8 dB	~	~	~	
XQT-SP3-8	19004410	5-1575	8	12.5 dB	~	~	~	
XQT-HB1-04	19004411	5-1575	4		~	~	~	MoCA <sup>®</sup> enhancing hub, with embedded POE filter



# technetix

# **Inline isolators**

Electrically isolating the in home cable network from the main cable TV network is a safety aspect which needs serious consideration. Inline isolators provide the necessary safety protection to ensure that no hazardous voltages are present on the inner and outer conductors of the in home cable network, a key requirement.

- Multiple output and profile variants
- Incorporates our core patented technologies Modem Safe, Ingress Safe and CPD Safe
- Exceeds EN Class A screening requirements
- Low insertion loss and leakage current

1-way								
Legacy code	Article number	Double Galvanic (Fully Isolated)	Bandwidth (MHz)	Output ports	Max attenuation (Output 1)	modem safe	cpd safe	Details
VQ601R	19000669	~	5-1000	1	0.5 dB		~	Low profile
TRIS-102AEN	10460170	~	5-1000	1	0.4 dB	~	~	
TRIS-102BEN	10460171	~	5-1000	1	0.4 dB	~	~	IEC male output connector
TRIS-1002L	19002917	~	5-1000	1	0.4 dB	~	~	Low profile
TRIS-151A	60004383	~	87.5-1000	1	1.3 dB			
TRIS-104A	10460104	~	0.5-1000	1	0.4 dB			EOC compatible







z-way											
Legacy code	Article number	Double Galvanic (Fully Isolated)	Single Galvanic (Semi- Isolated)	Bandwidth (MHz)	Output ports	Max attenuation (Output 1)	Max attenuation (Output 2)	modem safe	Ingress safe	cpd safe	Details
TRIS-201G	10460247	~		5-1000	2	(87.5-108 MHz) 2.0 dB	1.0 dB	~			
TRIS-250G	60004388	1		5-1000	2	(87.5-108 MHz) 3.0 dB	2.0 dB				
TRIS-202F	10460202	1		5-1000	2	4.8 dB	4.8 dB	~		~	
TRIS-202FIN	10460293	✓		5-1000	2	5.0 dB	5.5 dB	✓	~	~	
TRIS-2002FIN	10460172	~		5-1000	2	5.0 dB	5.5 dB	~	~	~	low Profile
TRIS-206F	10460206	~		5-1000	2	3.2 dB	9.5 dB	~			
TRIS-210EEN	10460173	~		5-1000	2	(5-60 MHz) 2.0 dB (80-1000 MHz) 10.0 dB	(80-1000 MHz) 2.3 dB	~		~	
TRIS-210I	10460209	~		5-1000	2	(5-60 MHz) 2.0 dB (80-1000 MHz) 10.0 dB	(80-1000 MHz) 2.5 dB	~	~		
TRIS-212EEN	10460174	1		5-1000	2	(85-1000 MHz) 4.2 dB	4.0 dB	~		~	
TRIS-218E	10460249	~		5-1000	2	(87.5-1000 MHz) 2.4 dB	8.5 dB	~			
TRIS-218EEN	10460175	~		5-1000	2	(87.5-1000 MHz) 2.1 dB	8.5 dB	~		~	

# **Connected home**

# Inline galvanic isolators and wall outlets

### www.technetix.com

2-way (ct	2-way (ctd)										
Legacy code	Article number	Double Galvanic (Fully Isolated)	Single Galvanic (Semi- Isolated)	Bandwidth (MHz)	Output ports	Max attenuation (Output 1)	Max attenuation (Output 2)	modem safe	Ingress safe	cpd safe	Details
TRIS-226GEN+C	10460176	~		5-1000	2	(5-82 MHz) 2.0 dB (120-1000 MHz) 1.2 dB	(87.5-108 MHz) 2.2 dB	~		~	
TRIS-268EEN	10460177	~		5-1000	2	(5-65 MHz) 1.5 dB (85-1000 MHz) 4.2 dB	(85-1000 MHz) 4.2 dB	~		~	
TSA-2008K1	10462008		~	5-862	2	(5-65 MHz) 1.0 dB (87.5-862 MHz) 10.0 dB	(87.5-862 MHz) 3.0 dB	~			
TSA-2009K1	10462009		✓	5-862	2	(5-139 MHz) 7.0 dB	(5-862 MHz) 2.0 dB	~			
TSA-2016P1	10460181		~	5-1000	2	(87.5-1000 MHz) 4.8 dB	(5-65 MHz) 5.5 dB (87.5-1000 MHz) 9.0 dB	~			

### TSA-3006P1



TSA-2008K1





TSA-2009K1

3-way										
Legacy code	Article number	Double Galvanic (Fully Isolated)	Single Galvanic (Semi- Isolated)	Bandwidth (MHz)	Output ports	Max attenuation (Output 1)	Max attenuation (Output 2)	Max attenuation (Output 3)	modem safe	cpd safe
TRIS-302P	10460302	~		5-1000	3	7.4 dB	7.4 dB	7.4 dB	~	
TRIS-303P	10460303	~		5-1000	3	(5-65 MHz) 1.5 dB (85-1000 MHz) 4.2 dB	(85-1000 MHz) 7.5 dB	(85-1000 MHz) 7.5 dB	~	
TRIS-306P	10460180	~		5-1000	3	(85-1000 MHz) 4.0 dB	(5-1000 MHz) 7.3 dB	(5-1000 MHz) 7.3 dB	~	
TRIS-307P	19002431	~		5-1000	3	(5-65 MHz) 4.5 dB (87.5-1000 MHz) 8.2 dB	(5-65 MHz) 4.5 dB (87.5-1000 MHz) 8.2 dB	(87.5-1000 MHz) 4.2 dB	~	
TRIS-354PEN	10460178	~		5-1000	3	(87.5-108 MHz) 5.4 dB	(5-130 MHz) 4.6 dB (130-470 MHz) 4.3 dB (470-862 MHz) 4.5 dB (862-1000 MHz) 4.8 dB	(5-10 MHz) 4.6 dB (10-470 MHz) 4.3 dB (470-862 MHz) 4.5 dB (862-1000Mhz) 4.8 dB	~	V
TSA-3006P1	10463006		~	5-862	3	(87.5-139 MHz) 13.0 dB	(87.5-862 MHz) 4.0 dB	(5-65 MHz) 1.2 dB (87.5-862 MHz) 10.5 dB	~	
TSA-309P1	10460198		~	5-1000	3	(87.5-108 MHz) 4.0 dB	(120-1000 MHz) 4.5 dB	(5-65 MHz) 1.5 dB (87.5-1000 MHz) 7.0 dB	~	
TSA-314P1	10460186		~	5-1000	3	(85-470 MHz) 5.3 dB (470-862 MHz) 6.1 dB (862-1000 MHz) 6.7 dB	(85-470 MHz) 5.3 dB (470-862 MHz) 6.1 dB (862-1000 MHz) 6.7 dB	(5-65 MHz) 2.2 dB (85-1000 MHz) 11.0 dB	~	



TRIS-307P





TRIS-302P

# technetix

Inline i	solator	's with	n integr	al coax	leads
Legacy code	Article number	Double Galvanic (Fully Isolated)	Bandwidth	Max attenuation	Details
SQILI-011	19001966	✓	5-1000	3.0 dB	2 m fly lead with isolator, 3 dB, right angle female IEC - male IEC



SQILI-001



C-TSA



Isolate	Isolator housings								
C-LPC	10460674	Housing for low profile TRIS and TSA series Technetix isolators							
C-MPH	19000635	Housing for standard and low profile Technetix isolators							
C-TSA	10460301	Housing for TRIS-210, 212, 218, 268, 302, 303, 307, 354 / TSA-309, 314							



# Wall outlets

A comprehensive range of wall outlet units, covering a wide variety of installation and distribution configurations, while offering the necessary levels of isolation required for the in home installation.

- Semi and fully isolated wall outlets .
- Single, double and triple output configurations in a variety of frequency specifications •
- Available with 'twist and lock' or blank faceplates
- Plug-on multimedia outlet units to extend the capability of standard outlet types
- Incorporates our core patented technologies Modem Safe, Ingress Safe, and CPD Safe .





1-way									
Legacy code	Article number	Double Galvanic (Fully Isolated)	Single Galvanic (Semi- Isolated)	Bandwidth (MHz)	Output ports	Max attenuation (Output 1)	modem safe	cpd safe	Details
DIO-01	19004194	~		5-1006	1	0.9 dB	~	~	
TW0-100/D W/C	10460233		~	5-1000	1	0.4 dB			Including cover plate



Details

TV and radio outlet with

data through, including housing and RJ45 included TV and radio outlet with

data through, including housing and RJ45 included

TV and radio outlet

TV and radio outlet TV and radio outlet,

including cover plate

TWO-260/D



Article

number

19002514

19002979

10460225

60004632

10531018

Double

Galvanic

(Fully

Isolated)

~

Single

Galvanic

(Semi-

Isolated)

~

Bandwidth

(MHz)

5-1000

5-1000

5-862

5-862

5-1000

Output

ports

2

2

2

2

2

Max attenuation

(80-108 MHz) 5.0 dB

(80-108 MHz) 11.0 dB

(87.5-108 MHz) 1.5 dB

(87.5-140 MHz) 1.5 dB

(87.5-108 MHz) 1.7 dB 1.1 dB

(Output 1)

TF -75R-108

2-way

Legacy code

MP0-204

MP0-210

TF-75R-108

TRAS-2000/C+A

TRAS-141



Max attenuation

(118-1000 MHz) 5.0 dB

(118-1000 MHz) 11.0 dB

(Output 2)

1.5 dB

1.3 dB

Loop through

attenuation



### 2-way (ctd) Double Single Article Bandwidth Max attenuation Galvanic Galvanic Output Max attenuation Loop through 4 Details Legacy code number (Fully (Semi-(MHz) ports (Output 1) (Output 2) attenuation Isolated) Isolated) TV and radio outlet, (87.5-108 MHz) 1.5 dB TW0-108/1 10460234 2 1.5 dB 5-862 ~ including cover plate (5-75 MHz) 1.5 dB TV and radio outlet, TW0-140/1 10460228 2 (87.5-140 MHz) 1.5 dB ~ 5-862 (174-862 MHz) 1.5 dB including cover plate (5-65 MHz) 1.3 dB TW0-260/D 10460660 (85-862 MHz) 4.8 dB Data and TV outlet 5-862 2 ~ (85-862 MHz) 4.8 dB (5-65 MHz) 5.3 dB Data and TV outlet, TW0-260/D4 10460661 5-862 2 (85-862 MHz) 9.5 dB 4.5 dB ~ (85-862 MHz) 9.5 dB including housing Data and TV outlet, TW0-260/D-1G 19003908 (85-1006 MHz) 5.3 dB 5-1006 2 (85-1006 MHz) 5.0 dB 4.5 dB √ including housing (5-65 MHz) 5.3 dB Data and TV outlet, TW0-260/D4-1G 19003909 5-1006 2 (85-1000 MHz) 9.5 dB 4.5 dB ~ (85-1000 MHz) 9.dB including housing TV and radio outlet, TW0-B/10 10460229 2 (5-140 MHz) 12.0 dB 11.5 dB 3.6 dB 5-862 including cover plate TV and radio outlet, TW0-B/13 2 10460230 5-862 (5-140 MHz) 15.0 dB 14.5 dB 2.8 dB including cover plate (5-470 MHz) 1.6 dB (470-862 MHz) 2.4 dB TV and radio outlet, TW0-B/17 60004645 5-862 2 (5-140 MHz) 19.0 dB 19.0 dB including cover plate









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TWO-3400/L14

3-way											
Legacy code	Article number	Double Galvanic (Fully Isolated)	Single Galvanic (Semi- Isolated)	Bandwidth (MHz)	Output ports	Max attenuation (Output 1)	Max attenuation (Output 2)	Max attenuation (Output 3)	Loop through attenuation	modem safe	Details
LW0-320	10460320		~	5-1000	3	(87-139 MHz) 1.0 dB dB	(87-862 MHz) 4.6 dB	(5-65 MHz) 1.0 dB (87-862 MHz) 10.5 dB			Data, TV and radio outlet, including cover plate
TW0-330/L	10460666		~	5-862	3	(87.5-108 MHz) 6.0 dB	(130-862 MHz) 5.3 dB	4.0 dB		~	Data, TV and radio outlet, including housing
TW0-335/L	10460670			5-862	3	(87.5-108 MHz) 4.0 dB	(130-862 MHz) 3.3 dB	11.0 dB		~	Data, TV and radio outlet, including housing
TW0-335/L10	10460671			5-862	3	(87.5-108 MHz) 12.5 dB	(130-862 MHz) 11.8 dB	11.0 dB	3.5 dB	~	Data, TV and radio outlet, including housing
TW0-335/L14	10460672			5-862	3	(87.5-108 MHz) 15.5 dB	(130-862 MHz) 14.0 dB	14.0 dB	2.5 dB	~	Data, TV and radio outlet, including housing
TW0-340/L	10460673		~	5-862	3	(87.5-108 MHz) 6.0 dB	(125-862 MHz) 5.5 dB	(5-65 MHz) 2.0 dB (85-862 MHz) 7.5 dB		~	Data, TV and radio outlet
TW0-3400/L10	10463410			5-862	3	(87.5-108 MHz) 12.5 dB	(130-862 MHz) 11.8 dB	11.0 dB	3.5 dB	~	Data, TV and radio outlet
TW0-3400/L14	10463414			5-862	3	(87.5-108 MHz) 15.5 dB	(130-862 MHz) 15.0 dB	(5-65 MHz) 12.0 dB (87.5-862 MHz) 16.5 dB	2.5 dB	~	Data, TV and radio outlet

# **Connected home**

### www.technetix.com

# Inline galvanic isolators and wall outlets

3. and

		SMH-1000		CP-TWO
Wall ou	tlet cov	er plates		
CP-TW0	10460236	Cover plate for TWO series wall outlets		
SMH-1000	10460243	Cover plate for TWO-3400, TF-75R-108		1.5
	ALSS CONTROL OF CONTRO	MCP-03/S-MK2	Captor	UMU-01/T

DTV and broadband push-on self-install adaptors										
Legacy code	Article number	Bandwidth (MHz)	Output ports	Max attenuation (Output 1)	Max attenuation (Output 2)	Max attenuation (Output 3)	modem safe	Details		
MCP-03	10300135	5-1000	3	(87.5-1000 MHz) 1.1 dB	4.2 dB	(5-1000 MHZ) 4.2 dB		Data, TV and FM adaptor		
MCP-03/S-MK2	10300138	5-1000	3	(87.5-108 MHz) 3.0 dB	(5-65 MHz) 6.0 dB (120-1000 MHz) 2.5 dB	(85-1000 MHz) 2.5 dB		Data, TV and FM adaptor including kathrein or wisi adaptor		
UMU-01/T	19003329	5-1000	3	FM/TV ON (87.5-108 MHz) 4.0 dB FM/TV OFF (85-862 MHz) 3.0 dB	FM/TV ON (120-862 MHz) 3.0 dB FM OFF (85-862 MHz) 3.0 dB	(85-862 MHz) 10.5 dB	1	Data, TV and FM adaptor including switchable FM/TV output for TRAS-1000/B+		

# Amplifiers and signal conditioning

# technetix

# Cabinet and in home signal conditioning

Complete range of precision signal conditioning components to allow the RF signal to be tailored for network and in home requirements.

- Compliant with EN Class A screening requirements
- Low insertion loss

Precisio	Precision attenuators								
Legacy code	Article number	Bandwidth (MHz)	Max attenuation	cpd safe					
AFM-0A/N	19001742	5-3000	0 dB	~					
AFM-1A/N	19001743	5-3000	1.0 dB	~					
AFM-3A/N	19001745	5-3000	3.0 dB	~					
AFM-4A/N	19001746	5-3000	4.0 dB	~					
AFM-5A/N	19002690	5-3000	5.0 dB	~					
AFM-6A/N	19001747	5-3000	6.0 dB	~					
AFM-7A/N	19002691	5-3000	7.0 dB	~					
AFM-8A/N	19001748	5-3000	8.0 dB	~					
AFM-9A/N	19002692	5-3000	9.0 dB	~					
AFM-10A/N	19001749	5-3000	10.0 dB	~					
AFM-11A/N	19002693	5-3000	11.0 dB	~					
AFM-12A/N	19001750	5-3000	12.0 dB	~					
AFM-13A/N	19002694	5-3000	13.0 dB	~					
AFM-14A/N	19002695	5-3000	14.0 dB	~					
AFM-15A/N	19002696	5-3000	15.0 dB	~					
AFM-16A/N	19001751	5-3000	16.0 dB	~					
AFM-17A/N	19002697	5-3000	17.0 dB	~					
AFM-18A/N	19002698	5-3000	18.0 dB	~					
AFM-19A/N	19002699	5-3000	20.0 dB	~					
AFM-20A/N	19001752	5-3000	19.0 dB	~					

Forward path attenuators								
Legacy code	Article number	Bandwidth (MHz)	Max attenuation					
FGTC11391	44011391	65-860	3.0 dB					
FGTC11392	44011392	65-860	6.0 dB					
FGTC11394	44011394	65-860	10.0 dB					
FGTC11396	19000011	65-860	15.0 dB					
FGTC11397	19000012	65-860	20.0 dB					

Return path attenuators								
Legacy code	Article number	Bandwidth (MHz)	Max attenuation					
RAI-65-3/SHS	10480073	5-65	3.0 dB					
RAI-65-6/SHS	10480074	5-65	6.0 dB					
RAI-65-9/SHS	10480075	5-65	9.0 dB					
RAI-65-12/SHS	10480076	5-65	12.0 dB					
RAI-65-20/SHS	10480079	5-65	20.0 dB					

Variable tilt attenuator								
Legacy code	Article number	Bandwidth (MHz)	Max attenuation					
EVTA-862/20	10480629	5-862	0 - 20.0 dB					



# **Connected home**

# Amplifiers and signal conditioning

Forward path equalisers								
Legacy code	Article number	Bandwidth (MHz)	Max attenuation					
EFA-01	10480090	80-862	1.0 dB					
EFA-02	10480091	80-862	2.0 dB					
EFA-03	10480092	80-862	3.0 dB					
EFA-04	10480093	80-862	4.0 dB					
EFA-06	10480094	80-862	6.0 dB					

Return path equalisers							
Legacy code	Article number	Bandwidth (MHz)	Max attenuation	cpd safe			
XC-EQ1-1	19002989	5-65	1.0 dB	~			
XC-EQ1-2	19002990	5-65	2.0 dB	~			
XC-EQ1-3	19002991	5-65	3.0 dB	~			
XC-EQ1-4	19002992	5-65	4.0 dB	~			
XC-EQ1-5	19002993	5-65	5.0 dB	~			

Cable simulators								
Legacy code	Article number	Bandwidth (MHz)	Max attenuation					
FGTC10292	19000022	5-860	4.0 dB					
FGTC10291	19000021	5-860	8.0 dB					

Voltage blocker								
Legacy code	Article number	Bandwidth (MHz)	Max attenuation	modem safe	cpd safe			
MSS-01	30590594	5-1000	0.5 dB	✓	✓			

T-75/N

Terminators					
Legacy code	Article number	cpd safe	Details		
AFM-TER75	19002610	✓	F-female-F-male		
FGTC12291	19000013		Dual terminator		
LT-75	10690352		Lockable terminator, F-male		
PA029	44000029	✓	Termination cap, F-male		
T-75/N	19000176	✓	Termination cap, F-male		
UMTR-HV	55000096		Terminator, 5/8"		



FGTC12291





FGTC10292



splitters

# Amplifiers and signal conditioning

# technetix

# In home amplifiers

Maintaining the correct forward and return path signal levels as well as data integrity within home networks is becoming increasingly important; particularly with the introduction of bonded DOCSIS 3.0 services and the growing number of devices connected in the home. Flexibility, power efficiency and simple installation make the Technetix in home amplifier a logical addition to any in home installation.

- Standalone and push-on units in a choice of designs and specifications
- Incorporates our core patented technologies Modem Safe and Ingress Safe

In home	In home amplifiers								
Legacy code	Article number	Bandwidth (MHz)	Output ports	Stopband (MHz)	Forward path gain	Return path gain	modem safe	Ingress safe	Details
FDU-44+CAB/T	29000255	5-862	4	65-85	4.5 dB	0.5 dB	~		
FDU51	19000002	5-862	4	65-85	2.75 dB	2.0 dB	~		Life line function, lifeline active, $-1.5 \text{ dB}$
FDU61	19000003	5-862	4	65-85	2.75 dB	2.0 dB	~		Line powered amplifier (via IPI-51 isolator) with life line function, lifeline active, -1.5 dB
FRA-722N	11101110	5-862	4	65-85	4.5 dB	2.0 dB	~	~	
FRA-752N	19004151	5-862	4	65-85	0.5 dB, 2.5 dB, 4.5 dB, 8.5 dB	3.0 dB	~	~	
FRA-784D	19004152	5-862	1	65-85	12.5 dB	7.5 dB	~		
FRA-763/H	19000332	5-862	2	65-85	5.5 dB, 11.5 dB	7.0 dB	~	~	



FRA-752N





FRA-722N

# **Push-on amplifiers**

Push-o	Push-on amplifiers							
Legacy code	Article number	Bandwidth (MHz)	Output ports	Stopband	Forward path gain	Return path gain	ingress safe	modem safe
TPA-100	19004252	5-1006	5	65-85	DATA (111-1006) 4.5 dB TV (111-1006) 5.0 dB FM (85-108) -1.2 dB	2.0 dB		
MPA-100	19004060	5-1006	5	65-85	DATA (85-1006) 4.0 dB TV (118-1006) 4.0 dB FM (87.5-108) 3.0 dB	5.0 dB	✓	✓
MPA-101	19004619	5-1006	5	65-85	DATA/TV (85-1006) 3.0 dB FM (88-108) 1.2 dB	2.0 dB		
BDA-02	19004650	5-1006	5	65-85	4.5 dB	2.0 dB	✓	~



BDA-02



# CPE and peripherals

# technetix

# **RF cables**

Quad shielded, ultra flexible cable with bonded foil for Class A screening effectiveness.

RLA cabl	es with	copper inner conductors
RLA75-10-3.0W	10470306	Fly lead, Class A C, IEC-male to IEC-female, 3.0 m, white
RLA75-10-5.0W	10470307	Fly lead, Class A C, IEC-male to IEC-female, 5.0 m, white
RLA75-10-7.5W	10470304	Fly lead, Class A C, IEC-male to IEC-female, 7.5 m, white
RLA75-10-10W	10470303	Fly lead, Class A C, IEC-male to IEC-female, 10.0 m, white
RLA75-30-5.0W	10470328	Fly lead, Class A C, F-male to F-male, 5.0 m, white
RLA75-30-7.5W	10470329	Fly lead, Class A C, F-male to F-male, 7.5 m, white



RLA75E-10-7.5W



RLA cable	es with	copper covered steel inner conductors
RLA75E-31-1.4	10470316	Fly lead, Class A CCS, IEC-female angled to F-male, 1.4 m, white with green sleeves
RLA75E-12-1.5	10470339	Fly lead, Class A CCS, IEC-male to F-male, 1.5 m, white
RLA75E-10-7.5	10470340	Fly lead, Class A CCS, IEC-male to IEC-female, 7.5 m, white
RLA75E-11-1.5	19002509	Fly lead, Class A CCS, IEC-male to IEC-female angled, 1.5 m, white
RLA75E-11-2.5	19002510	Fly lead, ClassA CCS, IEC-male to IEC-female angled, 2.5 m, white
RLA75E-11-5.0	19002511	Fly lead, Class A CCS, IEC-male to IEC-female angled, 5.0 m, white
RLA75E-11-10	19002512	Fly lead, Class A CCS, IEC-male to IEC-female angled, 10.0 m, white
RLA75E-37-1.5	19003597	Fly lead, Class A CCS, F-male to IEC-female 1.5 m, white with red sleeves and no bag
RLA75E-40-1.5	19003594	Fly lead, Class A CCS, F-male to IEC-male, 1.5 m, white
RLA75E-40-5.0	19003595	Fly lead, Class A CCS, F-male to IEC-male, 5.0 m, white
RLA75E-30-1.5	19000200	Fly lead, Class A CCS, F-male to F-male, 1.5 m, white with green sleeves
RLA75E-32-0.4	19003456	Fly lead, Class A CCS, F-male to F-female, 0.4 m, white

# AV cables

HDMI cables					
HDMI-BL-2M	19004390	Brilliantline high-speed HDMI cable, 2 m, black, 28 AWG, ferrites			
CM766	19004389	High-speed HDMI cable, 2m, black			



SCART cables					
PA077-1M5	44000078	Ribbon SCART cable, locking ends, 1.5 m			
PA077	44000077	Ribbon SCART cable, 1.0 m			
SCART SI 1.5M	10008518	SCART cable, SINGLE isolated, round, 1.5 m			
PA106	19000252	Ribbon SCART lead, with two phono, 1.5 m			



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# Connected home

CPE and peripherals

# NetX data fly leads

Data	Data fly leads				
CM751B	19000262	CAT5E patch lead 2 m, white, 568-B wired			
CM755B	19000267	CAT5E patch lead 4 m, white, 568-B wired			
CM756B	19001629	CAT5E patch lead 10 m, 568-B wired			
CM752B	19000263	CAT5E patch lead 20 m, white, 568-B wired			
CM750	19000261	CAT5E cable, white, 305 m box			

Other cable colours and lengths are available on request





CM752B

# **Connectors and adaptors**

Connectors						
CP-F-RG6	19004383	Compression F-type, RG-6				
CP-IEC M-RG6	19004384	Compression IEC-male, RG-6				
CP-IEC F-RG6	19004385	Compression IEC-female, RG-6				
CP-F-RG11	19004386	Compression F-type, RG-11				
CP-IEC M-RG11	19004387	Compression IEC-male, RG-11				
CP-IEC F-RG11	19004388	Compression IEC-female, RG-11				

Adaptors					
FF-IEC MALE	10430375	F-female to IEC-male push-on adaptor			
FF-IEC F/P	10430376	F-female to IEC-female push-on adaptor			
FM-IEC F/P	10430360	F-male to IEC-female push-on adaptor			
FM-IECM/P	10430359	F-male to IEC-male push-on adaptor			









FF-IEC MALE





FM-IECM/P

FM-IEC F/P

# UK telephone and data outlets

Telephone sockets				
CTE5A	19002272	CTE5A master socket		
CM297-000	19001740	Secondary socket, 2/3 A, telephone extension, plain		
CM290	19001029	Telephony socket 77A		





Inline isolators & wall outlets

45

# Ethernet in home distribution

We offer a comprehensive range of self-install kits suitable for in home networking. These solutions are scalable and exploit the following technologies:

# Plastic optical fibre self-install in home networking kit



# Ethernet over micro unshielded twisted pair (EUTP)

Wired Ethernet over micro unshielded twisted pair (EUTP) solutions offer a practical, high-speed data connection between Ethernet devices for situations where a custom length installation is required.



# Ethernet in home distribution

# Powerline in home data networking

Simplifies the creation or extension of wireless and wired connections in the home by utilising existing home electrical wiring.

Powe	Powerline				
E0M-200	19004370	Low profile Powerline kit, 200 Mb/s (kit includes two x EOM-200 with RJ-45 cables)			
E0M-500	19004373	Low profile Powerline kit, 500 Mb/S (kit includes two x EOM-500 with RJ-45 cables)			
E0M-300	19004371	Powerline Wi-Fi extender (with RJ-45 cable)			
EOM-301	19004372	Powerline Wi-Fi extender kit, 200 Mb/s (includes EOM-300 and EOM-500 with RJ-45 cables)			







# MoCA® in home self-install data networking bridges and dongles

The TECB-10 is a layer two MoCA<sup>®</sup> single port Ethernet to coax bridge (ECB) which enables the user to transmit or receive standard Ethernet traffic over a home coaxial cable network. Its simple plug and play installation offers easy MoCA<sup>®</sup> connectivity.

A minimum of two TECB-10s are required to establish a network.



# technetix

# **Reduce and reuse**

It can be challenging to meet evolving market demands while keeping capital expenditure under control.

For a fraction of the cost of buying new equipment, we offer a repair, maintenance, and upgrade service for a wide range of our own and other manufacturers' products.

# Repairs and upgrades

# technetix

# Repair, enhance, upgrade

For a fraction of the cost of buying new equipment, we have the experience and expertise to:

- Increase the power of your upstream lasers, or upgrade your diplexers to support DOCSIS 3.0 and upgraded channel plans
- Add ingress control to your return path in order to increase capacity
- Repair a wide variety of CATV equipment

The main benefits of our repair, maintenance and upgrade service include a reduction in:

- The total cost of ownership by extending the life of network products
- Capital expenditure by upgrading rather than renewing
- Environmental impact through reuse rather than disposal

Our centre of excellence in Belgium offers a comprehensive, one-stop service for most network products, providing:

- Rapid turnaround typically under 28 days (excluding transport times) with an optional express service available
- Six month warranty on repairs
- Extensive measurement and test environment
- Itemised repair reports

To optimise turnaround times and improve communication with our centre of excellence, please use our return material authorisation (RMA) portal.

Logon to our RMA portal at <a href="http://rma.technetix.com/">http://rma.technetix.com/</a>

# **Repair and upgrades**

Repairs and maintenance



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# technetix

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