Comtest Networks

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Ottawa, ON K2E 6V4

Product Catalogue

07/23/2021

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Central Office/CEV/WIC

2112 Series

MDF-2112 is a 192 Port Wire Wrap Terminal Block whose innovative design uses a PCB to connect the wire wrap block to the RJ-21 connectors. The solid PCB eliminates noise interferences associated with current internally wired terminal blocks.

SA-2112-R124	192 Port 8x24 Receptacle Wire Wrap Terminal Block
SA-2112-P124	192 Port 8x24 Plug Wire Wrap Terminal Block

2811 Series

2811 MDF Splitter's innovative design combines the Splitter from the DSLAM and wire wrap block from the horizontal frame into a single unit. The 2811 MDF Splitter mounts on the front of the horizontal frame and replaces the standard wire wrap blocks.

SA-2811-P-1-24	96 port VDSL2 MDF Splitter Plug (M) Standard Telco 4x24 Amp
SA-2811-R-1-24	96 port VDSL2 MDF Splitter Receptacle (F) Standard Telco 4x24 Amp
SA-2811-P-2-24	96 port VDSL2 MDF Splitter Plug (M) System 5 4x24 Amp
SA-2811-R-2-24	96 port VDSL2 MDF Splitter Receptacle (F) System 5 4x24 Amp
SA-2811-P-3-24	96 port VDSL2 MDF Splitter Plug (M) ADTRAN System 5 4x24 Amp
SA-2811-R-3-24	96 port VDSL2 MDF Splitter Receptacle (F) ADTRAN System 5 4x24 Amp
SA-2811-P-3-32	96 port VDSL2 MDF Splitter Plug (M) ADTRAN System 5 3x32 Amp
SA-2811-R-3-32	96 port VDSL2 MDF Splitter Receptacle (F) ADTRAN System 5 3x32 Amp

2812 Series

The Comtest 2812 MDF Splitter is a 96-Port 4x24 Receptacle MDF POTS Splitter that moves the Splitters from the DSLAM to the back of the horizontal frame.

SA-2812-R424	MDF-2812

3000 Series

Comtest's 3000 Series splitters are designed specifically for the European market.

SA-3048	Model 3048 POTS/ISDN Splitter Shelf
SA-3144	Model 3144 POTS/ISDN Splitter Shelf
SA-3192	Model 3192 POTS/ISDN Splitter Shelf
SA-3432	Model 3432 POTS/ISDN Splitter Shelf

Central Office/CEV/WIC

4000 Series

The Comtest 4000 Series ADSL2+ POTS Splitter Shelves are available in 1U, 3U and 4U offering 48, 144, and 192 ports respectively.

SA-4001-0002	NA-4000V-02 ILP, Top Level
SA-4007-0016	EU-4007V, 24 Port 600Ω ETSi/POTS Splitter Card
SA-4048-7100	4048 Shelf, Top Level
SA-4192-7400	4192 Shelf Assembly, Top Level
SA-4101-0001	EU-4100V-01, Top Level
SA-4144-7300	4144 Shelf, Top Level
SA-4144-7334	4144 System 5 Splitter Chassis

H192 Shelf Assembly

The H192 compact design houses 192 ports in 2U of a standard 19-inch rack. All DSL connections are at the front of the shelf and all PSTN and LINE interfaces at the rear. This separating of DSL and voice connections significantly reduces videoimpairing crosstalk. The H192 is environmentally hardened for demanding locations.

SA-2820-8224	H192 Shelf Assembly, Top Level

5-Pin Protection Modules

5-pin protectors can be used universally for broadband voice and data circuits including ADSL, ADSL2+, VDSL, VDSL2 and high-speed Ethernet.

2410	2410 Series 5-Pin Multi-Stage Protector
2420	2420 Series 5-Pin Gas Discharge Tube (GDT) Protector
2430	2430 Series 5-Pin Surge Protector
2440	2440 Series 5-Pin Surge Protector
2470	2470 Series 5-Pin TBU Surge Protector

Central Office/CEV/WIC

Terminal Blocks

Versablock Rotating Terminal Block (130 Series)

The 139-Series product family is intended for use on central office (CO) frames, private automatic branch exchange (PABX) frames or any application where a compact terminal block is required.

Series 130	**See Datasheet for Ordering Options**

Versablock Rotating Terminal Block (139 Series)

No matter what the application – termination of line drawers, trunk modules, tie pairs, transmission channel banks, etc. – the versatile Versablock® Rotating Terminal Block (139 Series) adapts easily to your communications equipment termination needs

139-D4100R019W	100 pair, 8x25, single wire-wrap cross-connect, four 50-pin male connectors, white label
139-R6144Q062B	144 pair, 8x40, bifurcated quick-clip cross-connect, six 64-pin male connectors, beige

Protection-Connector Blocks

Model C-377 100-Pair Connector

The C-377 connector accepts the full line of industry standard 303-type, 5-pin protector modules including hybrid, solid state and gas tube modules

377-00XX	**See Datasheet for Ordering Options**

Model C-388 100-Pair Connector

The Comtest C-388 Central Office Connector has an efficient and space-saving design that provides up to 40 % greater pair density when compared to older types of connectors

388-00XX	**See Datasheet for Ordering Options**

MPC Mainframe Connector (QCM486) 100-Pair Connector

The mainframe connector is a miniature, main distributing frame (MDF), high-density connector for use on the vertical side of main distributing frames or on protector frames.

QCM486X1nnXnnnXXX	**See Datasheet for Ordering Options**

Central Office/CEV/WIC

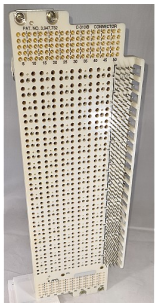
Protection-Connector Blocks

Model C(G)-303 100-Pair Connector

The C(G)-303 connector may be used on central office mainframes and other frames with 8 inch (203 mm) between verticals. The connector accepts the full line of industry -standard 303-type, 5-pin protector modules including hybrid, solid-state and gas tube modules.

303-0XXXX **See Datasheet for Ordering Options**

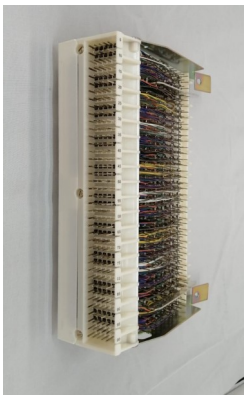
Model C(G)-310 100-Pair Connector



The CNI C(G)-310 Connector is intended for applications where protector pair density and front-facing protector modules, test field and jumper field are important. It is ideal for “protector only” frames where the jumpering between the switching equipment and the connector is done on separate, intermediate distributing frames.

310-0XXXX **See Datasheet for Ordering Options**

Model C(G)-390 100-Pair Connector



CNI C(G)-390 Central Office Connector has an efficient and space-saving design that provides up to 40 % greater pair density when compared to older types of connectors. These connectors also incorporate an angled mounting to improve access to the protector modules. They may be used on central office mainframes, wall-mounted and free-standing modular frames and Private Automatic Branch Exchange (PABX) grids. The C(G)-390 connector provides a comfortable working space between frame verticals and does not extend beyond the guard rail on standard frames.

390-0XXXX **See Datasheet for Ordering Options**

Model C(G)-391 100-Pair Connector

The C(G)-391 connector is ideal for use in remote switch and digital line carrier locations, as frame space in huts and controlled environment vaults (CEVs) is usually at a premium.

NT8G-XXXX **See Datasheet for Ordering Options**

Central Office/CEV/WIC

Central Office Connector Block Accessories

Test cords

This test cord is equipped with mini-test clips on one end and two insulated alligator clips on the other end.

A0344522 303-1213 Test Cord

Circuit Markers

The test point insulator button fits into the recesses on the test field to isolate the pairs from accidental contact by test points or during testing with a front tap shoe. The buttons are made of a red plastic material and are designed to snap into place to cover one test field contact. Not compatible with C(G)-391

A0310190 303-1019 Test Point Insulator (except C(G)-391)

A0408552 Test Point Insulator C(G)- 391 only

The red-colored plastic cap is used to mark and prevent accidental access to wire-wrap terminals of special circuits. The cap is designed to fit snugly over a wire-wrap terminal. One is required for each terminal

A0321718 545-1137 Wire-wrap Terminal Cap

Mounting Bars and Brackets

Bracket for wall-mounting a single C-377, C-388 or C(G)-390 connector block.

A0337661 377-1003 Mounting Bracket

Mounting Bars for C(G)-303

A0386865 C-303 Mounting Bar

Universal Connector Mounting Bars

Universal Adapter Bars accommodate the compact spacing dimensions of the C(G)-391, C(G)-390, C-388 and C377 connectors

A0388387 7 ft Universal Connector Mounting Bar

A0359994 8 ft Universal Connector Mounting Bar

A0388388 9 ft Universal Connector Mounting Bar

A0388389 11.5 ft Universal Connector Mounting Bar

Remote Solutions

MAQS (Multi Application Quick Access Solution)

MAQS 24-Port Base

The Multi Application Quick Access Solution (MAQS) is an integrated G. Fast Splitter and Primary Protection for both POTS in and Combined Line out. The MAQS is the first Primary Distribution block specifically designed for the stringent requirements of G.fast technology, up to 212MhZ

SA-7010-0001 24 Port Base Standard Pinout

MAQS 48-Port Base Block

The MAQS Base 48-Port Block can maximize cabinet investment by eliminating the need for forklift replacements at existing FTTC sites as port exhaustion is approaching or when implementing Vectoring. The reduced footprint of the 48-Port Block maximizes performance and data rates while doubling port density and reducing cabling by 40%. It accepts the G.fast Splitter Module, the Single Primary Protection Module and the In-Line Tester Modules.

SA-7010-3701 MAQS Base 48-Port Block

MAQS VDSL2 Splitter with Dual Primary Protection Module

The MAQS Module provides both Line and POTS primary protection and splitter in one module that offer quick and easy configuration changes. The combination of both GDT and Solid state primary protectors coordinate to offer superior lightning and surge protection. The Splitter is specifically built for the demanding technology of VDSL2 by maximizing performance and data rates and is also backward compatible to ADSL.

SA-7011-0001 MAQS VDSL2 Splitter with Dual Primary Protection Module

MAQS EMI VDSL2 Splitter with Dual Primary Protection Module

The MAQS EMI Module provides both Line and POTS primary protection and splitter with EMI filtration in one module that offer quick and easy configuration changes. The combination of both GDT and Solid state primary protectors coordinate to offer superior lightning and surge protection. The Splitter is specifically built for the demanding technology of VDSL2 by maximizing performance and data rates and is also backward compatible to ADSL.

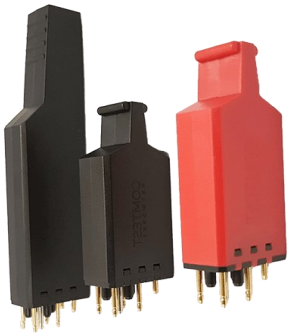
SA-7011-1001 MAQS EMI VDSL2 Splitter with Dual Primary Protection Module

MAQS G.fast Splitter with Dual Primary Protection Module

The MAQS Module provides both Line and POTS primary protection and splitter in one module that offer quick and easy configuration changes. The combination of both GDT and Solid state primary protectors coordinate to offer superior lightning and surge protection. The Splitter is specifically built for the demanding technology of G.fast by maximizing performance and data rates and is also backward compatible to VDSL2 and ADSL.

SA-7012-2001 MAQS G.fast Splitter with Dual Primary Protection Module

MAQS G.fast Splitter with Dual Primary Protection Module

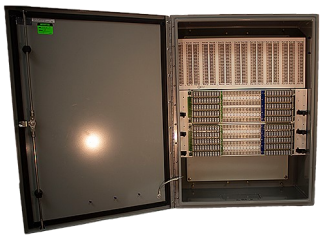


The MAQS Data Only Primary Protection module is used on services WITH ONLY DATA and provides Gas Tube protection for the LINE only service. The Protection module is easily identifiable with its Black or Red colored case and fits in any position on the 24-port mounting frame.

SA-7015-0001B1	MAQS Data Only Protection Module, Black Tall housing
SA-7015-0001B0	MAQS Data Only Protection Module, Black Short housing
SA-7015-0001R0	MAQS Data Only Protection Module, Red Short housing

Remote Solutions

MAQS (Buddy Box)

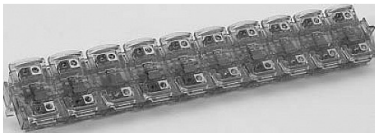


The Comtest MAQS Buddy Box takes advantage of the MAQS 7-pin module that contains both dual Primary Protection and the Splitter. Primary Protection is provided for both the Feeder (F1) and the Distribution (F2) cable pairs while providing connectivity from the DSLAM or DPU via the Splitter. The Buddy Box can be attached to existing cross connect boxes to provide relief and additional ports or as a standalone new cross connect box for smaller rural applications.

SA-7100-0101	MAQS Buddy Box
SA-7100-1101YXX	192 Port MAQS Module
SA-7100-1001YXX	48 Port MAQS xConnect Module
SA-7011-0001	MAQS VDSL2 Splitter w/ Protection
SA-7015-0001ZZ	MAQS Data Only Protection Module

IDC Cross Connect Blocks

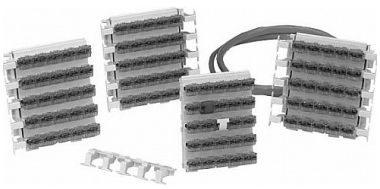
10-Pair IDC Block



The 10-pair IDC connector system is designed for field termination, with no tools required. The connector system facilitates both feeder and distribution connections in cross-connect, building entrance terminal and network interface applications. The symmetrical mounting provisions, dual-colored tip/ring identifiers and double-sided rockers of the module provide quick, craft-friendly installation and maintenance of terminations. A selection of stainless steel and molded backmount frames is available to accommodate pair counts ranging from 10 to 400.

MRM-XX-XXX-XXX-XXX	**See Datasheet for Ordering Options**

25-Pr IDC Block



The modular 25-pair untailed or tailed blocks can be stacked vertically or horizontally, enabling assembly of cross-connect fields with any required pair counts. Optional fanning strips can be clipped to the blocks to create wire-guide borders for trouble-free routing and management of jumper wires. Customized blocks are available potted and tailed to length.

MRB-25-XXX-T01-XXX-XXXXX	**See Datasheet for Ordering Options**

50-Pr IDC Block

The modular 50-pair untailed or tailed blocks can be stacked vertically or horizontally, enabling assembly of cross-connect fields with any required pair counts. Optional fanning strips can be clipped to the blocks to create wire-guide borders for trouble-free routing and management of jumper wires. Customized blocks are available potted and tailed to length.

MRB-50-XXX-T01-XXX-XXXXX **See Datasheet for Ordering Options**

Remote Solutions

IDC Tailed Terminal Blocks

4/5/8-Pair IDC Distribution Terminal Block with Tail

The IDC Tailed Terminal Blocks come in multiple configurations with a cable stub for use in pedestal closures and end of the line terminal applications that makes copper connectivity and wire management throughout your copper network simple, reliable and affordable.

See Datasheet for Ordering Options

MRB04M02T03F63	4-Pair IDC Distribution Terminal c/w 6ft Male RJ21 Connectorized Tail
MRB04M03T03R15	4-Pair IDC Distribution Terminal c/w Dual 15” RJ14 Connectorized Tails
MRB05M03T01S43	5-Pair IDC Distribution Terminal c/w 4ft Stub Unterminated
MRB08M02T03F63	8-Pair IDC Distribution Terminal c/w 6ft Male RJ21 Connectorized Tail
MRB08M03T03T43	8-Pair IDC Distribution Terminal c/w 4ft Female RJ21 Connectorized Tail

10/25-Pair IDC Terminal Block F Series

The 10/25-Pair IDC Block tail provides a dependable, long-term means of discrete connections. The “quiet front” design eliminates incidental shorts and the High Viscosity Compound (HVC) encapsulation blocks moisture and eliminates corrosion, resulting in trouble-free service.

See Datasheet for Ordering Options

CMRF10 Series	10-Pair IDC Inline Terminal Block
CMFR25 Series	25-Pair IDC Inline Terminal Block

25-Pair IDC Tailed Terminal Block A-Series

The 25-Pair IDC Tailed Terminal Block makes copper connectivity and wire management throughout your copper network simple, reliable and affordable. Every aspect of the data ready IDCs design has been optimized for ease of use. Wires are easy to insert, and secure connections are simple to establish and verify. Pair-at-a-time jumper connections speed up jumping, and easy line disconnections make service provisioning a snap. The IDC requires no tools, making wire terminations fast and easy.

See Datasheet for Ordering Options

CRMA2530521101	25-Pair IDC Terminal Block 5ft CAT3 Tail c/w MS2 Connector

MDU Solutions

Building Terminal Series

CNI Model BBT is a 25-pair building terminal providing protection for circuits being provided on twisted pair. The BBT uses standard 5-pin protector modules to provide overvoltage protection from harmful transient voltage surges such as lightning and power cross transients.

BBT-025-1-11-XX	Building Entrance Terminals

G.fast Solutions for MDU

KA-1000

The Comtest KA-1000 is a Modular Solution to Support G.fast DPU installation at building terminals and MDU environments by providing easy connectivity to the DPU via a standard RJ21 Connector. The KA-1000 is specifically designed for the stringent requirements of G.fast technology up to 212Mhz and will also work great for VDSL2, Vectoring and even ADSL. The KA-1000 platform is designed to minimize crosstalk and maximize performance.

SA-3616-8801	KA1000-16 with 16 Baluns
SA-3616-8811	KA1000-16 with 16 IDCs
SA-3616-BF01	KA1000-16 with 16 Baluns
SA-3625-BF01	KA1000-25 with 25 Baluns
SA-3605-0001	KA-1000 IDC Module - Pkg 10
SA-3602-0001	KA-1000 Balun Module - Pkg of 10

RPF Pass thru G.fast Balun

The Reverse Power Feed (RPF) G.fast Balun is a passive in-line product that converts a G.fast signal from a balanced twisted pair cable to an unbalanced 75 Ω coax (and vice versa) that allows for the passthrough of remote power. The RPF G.fast Balun is compatible with Reverse Power Feed configurations to allow G.fast to be extended via coax to businesses and MDU environments.

SA-4601-4501	RPF Pass thru G.fast Balun RJ45
SA-4610-1101	RPF Pass thru G.fast Balun RJ11

G.fast EMI Suppressor Dongle

The Comtest G.fast EMI Suppressor is a Common Mode EMI Filter designed and specifically built for G.fast (212Mhz). This dongle will reduce or eliminate this noise and provides insertion loss of 30dB of couple signals (Electromagnetic interference signals) without adversely affecting the G.fast signal.

SA-2255-GF01	G.fast EMI Suppressor Dongle

MDU Solutions

MAQS (Multi Application Quick Access Solution)

MAQS 24-Port Base

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SA-7010-0001	24 Port Base Standard Pinout

MAQS 48-Port Base Block

The MAQS Base 48-Port Block can maximize cabinet investment by eliminating the need for forklift replacements at existing FTTC sites as port exhaustion is approaching or when implementing Vectoring. The reduced footprint of the 48-Port Block maximizes performance and data rates while doubling port density and reducing cabling by 40%. It accepts the G.fast Splitter Module, the Single Primary Protection Module and the In-Line Tester Modules.

SA-7010-3701	MAQS Base 48-Port Block

MAQS VDSL2 Splitter with Dual Primary Protection Module

The MAQS Module provides both Line and POTS primary protection and splitter in one module that offer quick and easy configuration changes. The combination of both GDT and Solid state primary protectors coordinate to offer superior lightning and surge protection. The Splitter is specifically built for the demanding technology of VDSL2 by maximizing performance and data rates and is also backward compatible to ADSL.

SA-7011-0001	MAQS VDSL2 Splitter with Dual Primary Protection Module

MAQS G.fast Splitter with Dual Primary Protection Module

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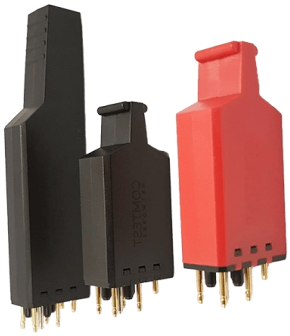
SA-7012-2001	MAQS G.fast Splitter with Dual Primary Protection Module

MAQS G.fast Splitter with Dual Primary Protection Module



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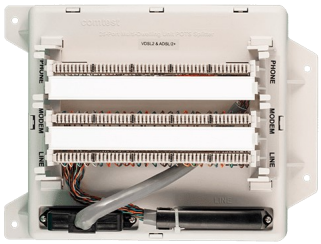
SA-7015-0001B1	MAQS Data Only Protection Module, Black Tall housing
SA-7015-0001B0	MAQS Data Only Protection Module, Black Short housing
SA-7015-0001R0	MAQS Data Only Protection Module, Red Short housing

MDU Solutions

MDU DSL Splitters

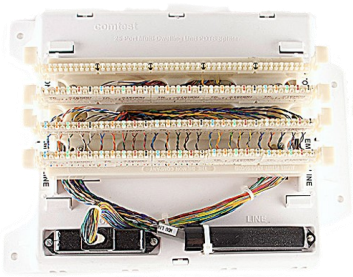
MDU (25 pair) VDSL2 Splitter with BIX



Comtest Networks' MDU-25V is a modular, 25 ports, full POTS Splitter/Line Conditioner designed to provide POTS services in conjunction with ADSL2+ and VDSL2 services. The MDU-25V prevents high frequency xDSL signals from interfering with POTS services. It also prevents low frequency POTS signal from interfering with xDSL services.

SA-2871-0012	MDU-25V
SA-2870-0023	MDU Cable Package
SA-2871-0006	MDU-03 VDSL No Cable, Top Level

MDU (25 pair) VDSL2 Splitter with 110 Punchdowns



Comtest Networks' MDU-25V is a modular, 25 ports, full POTS Splitter/Line Conditioner designed to provide POTS services in conjunction with ADSL2+ and VDSL2 services. The MDU-25V prevents high frequency xDSL signals from interfering with POTS services. It also prevents low frequency POTS signal from interfering with xDSL services.

SA-2871-0021	MDU110-04V

xDSL Door Bypass Module

Door Bypass VDSL2/ADSL2+ Filter

The Door Bypass xDSL Filter is an Intercom Filter designed to allow co-existence of DSL services with a door entry system. Door entry systems disconnect the POTS line during activation, interfering with DSL services. As DSL services are critical, the Comtest Door Bypass filters the Entry system from disrupting the DSL service.

SA-2622-1001	Door Bypass xDSL Filter

FTTX Solutions

All-In-One NID FTTX

All in One Fiber Solution

The All in One Fiber Solution is designed with the standard NID mounting pattern and allows for infinite variations of internal components which allow for fiber only, the smooth transition from Copper to Fiber or utilize both at the same time. The enclosure includes a rear access grommet and bottom entry ports which support cable entry and Opti-tap connection. The fiber loop storage tray has mounting capability of 1-4 SC/APC bulkheads and has expansion capabilities

SA-6001-0001	AI1 NID Enclosure c/w Fiber Tray and Dual SC Holder
BP-6001-0004	SC/APC Coupler

GPON PoE

PoE Injector

The PoE in-line power following the IEEE 802.3at/af Power over Ethernet Plus standard makes the SA-4641-0001 capable of deliver Gigabit speed Ethernet data and up to 30 watts of power to remote ONT devices over one Cat5E/6 Ethernet cable

SA-4641-0001	PoE Injector

GPON PoE 1

The GPON PoE 1 is a 12-volt DC (output) PoE Splitter that allows for convenient Optical Network Terminals (ONT's) installation where power is not readily available. The GPON PoE 1 allows for greater flexibility in support of installing High Speed Internet services over Fiber/Ethernet. This unit supports up to 25 watts of 802.3at power over ethernet cable. The unit supports individual Ethernet connections with power and Ethernet (PoE). The Ethernet traffic is passed on to the ONT and the Power is directed at the power port to power the ONT.

SA-4642-1S1J	PoE SFU Splitter + 1 PoE Injector
SA-4642-0001	Poe SFU Splitter w/Enclosure

GPON PoE 4

The GPON PoE 4 is a 12-volt DC (output) PoE Splitter that allows for convenient Optical Network Terminals (ONT's) installation where power is not readily available. The GPON PoE 4 allows for greater flexibility in support of installing High Speed Internet services over Fiber/Ethernet. This unit supports up to 25 watts of 802.3at power over ethernet cable. The unit can support up to 4 individual Ethernet connections with power and Ethernet (PoE). The Ethernet traffic is passed on to the ONT and the Power is directed at the power port to power the ONT.

SA-4640-1001	PoE MDU 4P Splitter + 1 PoE Injector
SA-4640-1S2J	PoE MDU 4P Splitter + 2 PoE Injectors
SA-4640-0001	Poe MDU 4-Port Splitter w/Enclosure

Premise Solutions

VDSL2 Splitters

Comtest's entire family of CPE splitters supports VDSL2 while remaining backwards-compatible with existing ADSL technologies. Comtest splitters prevent interference between POTS and VDSL2 signals, ensuring high-quality delivery of voice and enhanced data service such as video. Their innovative design addresses specific issues that affect video quality such as ring-trip.

CPE VDSL2 Splitter

The CPE-01V is a low-pass filter designed to enable POTS service to coexist with ADSL2+ and VDSL2 data signals up to 30MHz. As networks speed up and the microfilters typically used for xDSL connectivity hit their limitations, carriers need alternative, high-bandwidth CPE solutions that take them to their preferred demarcation point.

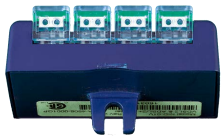
SA-2209-0001	CPE-01V

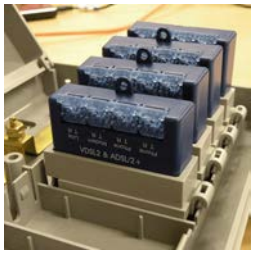
Flush Mount VDSL2 Splitter

The Comtest Flush Mount Splitter is a low-pass filter designed to enable POTS service to coexist with ADSL2+ and VDSL2 data signals up to 30MHz. The Flush Mount Splitter mounts conveniently in industry standard electrical boxes, resulting in a compact and clean installation ideal for use in apartments, condos, or homes where there is no NID or space for a standard splitter.

SA-4507-0001	Flush Mount Splitter

Universal VDSL2 Splitter





The Universal Splitter is a full VDSL2 splitter, backward compatible to ADSL2+ and ADSL. With a potted cavity and gel-filled IDC connectors, the Universal splitter is suitable for all applications from the NID outside the house to inside the wall plate in apartments.

SA-4505-0001	NID-02V
SA-4505-0001GP	NID-01V
SA-4504-0013	NID Adapter Clip
SA-4504-0043	Flush Mount Kit
SA-4504-0044	MDU Mounting Plate

NID VDSL2 Splitter with Test Jack

The NID-01V-TJ is designed for simple and easy clip-in installation in virtually all industry standard NIDs, allowing for the continued use of existing infrastructure while upgrading to VDSL2 standards.

SA-4704-0001	NID-01V-TJ

Premise Solutions

Bonded xDSL Splitters

The Comtest Bonded Splitters are a full dual low-pass filter designed to enable up to two POTS services to coexist with two-line bonded ADSL2+ or VDSL2 data signals up to 30MHz. Bonded Filters simplify and reduce installation time of bonded services in customer's home or business; while filtering both pairs, thus supporting an additional POTS line or billing service on the second pair. Treating the DSL signals on the second pair maximizes data rates to take full advantage of the bonded xDSL service.

Full Bonded CPE VDSL2 Splitter

The Comtest Bonded CPE (CPE-FB) is a full dual low-pass filter designed to enable up to two POTS services to coexist with two-line bonded ADSL2+ or VDSL2 data signals up to 30MHz.

SA-2208-0001 CPE-FB

Full Bonded NID VDSL2 Splitter with Test Jack

The Comtest NID-TJ-FB POTS Splitter is two complete VDSL2 splitters in a single footprint designed for easy clip-in installation in virtually all industry standard NIDs, allowing for the continued use of existing infrastructure while upgrading to new bonded VDSL2 standards. The NID-TJ-FB provides filtering on both lines, while only occupying one slot in the NID/SNI.

SA-4703-0001 NID-TJ-FB

EMI Suppression

In the real world, twisted pairs are not perfectly balanced. As a result, interfering signals on Tip and Ring are not the same in amplitude and phase. Coupled signals on Tip and Ring will not be cancelled. The Common Mode EMI Filter provides insertion loss of 30dB of couple signals (Electromagnetic interference signals) without adversely affecting the DSL signal (differential mode). This helps to reduce the effect of EMI on DSL signals.

Bonded VDSL2 EMI Suppressor Dongle

The Comtest Bonded EMI Suppressor is a Common Mode EMI Filter designed and universally built for all DSL services including single line VDSL2 and Bonded. This dongle will reduce or eliminate the effects of EMI on a single VDSL2 or both pairs of a DSL bonded service.

SA-2257-0001 DON-FB-EMI

CPE Splitter with EMI Suppression

The Comtest Universal EMI Splitter is the same design as our standard Universal POTS Splitter and has the added benefit of a built in Common Mode EMI Filter. The Common Mode EMI Filter provides insertion loss of 30dB of couple signals (Electromagnetic interference signals) without adversely affecting the DSL signal (differential mode). This helps to reduce the effect of EMI on DSL signals.

SA-2214-0001 CPE-01V-EMI

Premise Solutions

Full Bonded NID Splitter with Test Jack and EMI Suppression

The Comtest NID-TJ-FB-EMI POTS Splitter is two complete VDSL2 splitters in a single footprint. Keeping with Comtest's reputation for innovative designs, the NID-TJ-FB splitter will simplify your installation and provide filtering on both lines, while only occupying one slot in the NID/SNI. The NID-01V-FB-EMI is designed for simple and easy clip-in installation in virtually all industry standard NIDs, allowing for the continued use of existing infrastructure while upgrading to new bonded VDSL2 standards.

SA-4711-0001-G1 NID-TJ-FB-EMI

G.fast EMI Suppressor Dongle

The Comtest G.fast EMI Suppressor is a Common Mode EMI Filter designed and specifically built for G.fast (212Mhz). This dongle will reduce or eliminate the effects of EMI on G.fast services.

SA-2255-GF01 G.fast EMI Suppressor Dongle

NID Splitter with Test Jack and EMI Suppression

The Comtest NID-TJ-EMI is designed for simple and easy clip-in installation in virtually all industry standard NIDs, allowing for the continued use of existing infrastructure while upgrading to VDSL2 standards and has the added benefit of a built in Common Mode EMI Filter.

SA-4706-0001 NID-TJ-EMI

Universal VDSL2 Splitter with EMI Suppression

The Comtest Universal EMI Splitter is a full VDSL2 splitter, backward compatible to ADSL2+ and ADSL and has the added benefit of a built in Common Mode EMI Filter. With a potted cavity and gel-filled IDC connectors, the Universal EMI splitter is suitable for all applications from the NID outside the house to inside the wall plate in apartments.

SA-4509-0001 UNI-01V-EMI

Premise Solutions

G.fast

G.fast technology is the next generation of broadband service delivered over traditional copper networks. G.fast technology widens the current 30MHz VDSL2 spectrum to 106MHz, and will further expand to 212MHz and 1000MBits/s in the future. G.fast offers a more cost effective roll out option than fiber to the home by allowing the service provider to re-use valuable existing copper plant. For example, G.fast can be delivered to an MDU, connecting individual customers with existing copper infrastructure.

CPE G.fast Splitter

G.fast technology is the next generation of broadband service delivered over traditional copper networks, widening the spectrum to 106MHz, and 212MHz. G.fast offers a more cost effective roll out option than fiber by allowing the service provider to re-use valuable existing copper plant.

SA-2231-0001	CPE-GF

Flush Mount G.fast Balun

The Comtest Networks Flush Mount G.fast baluns provide the perfect in-unit solution for interfacing between coax cabling and the DSL modem or media gateway. The baluns can be installed in any standard telephone outlet for clean and efficient connection. The Comtest G.fast balun is a passive in-line device designed to convert a G.fast signal carried on a balanced twisted pair cable to an unbalanced 75Ω coax cable (and vice versa).

SA-2253-0001	Flush Mount G.fast Balun

Indoor G.fast Baluns

The Comtest Indoor G.fast Balun is a passive in-line device designed to convert a G.fast signal carried on a balanced twisted pair cable to an unbalanced 75 Ω coax cable (and vice versa). G.fast promises to deliver gigabit speeds over short lengths of standard twisted pair Telco cable; this reach can be optimally extended via coax to businesses and MDU environments.

SA-2252-0023-BK	G.fast Balun
SA-2252-0023-WH	G.fast Balun

Universal G.fast Baluns

Comtest Networks has released a G.fast Balun solution specifically designed for longer coax reach. The Comtest G.fast Balun is a passive inline device designed to convert a G.fast signal carried on a balanced twisted pair cable to an unbalanced 75Ω coax cable. G.fast promises to deliver gigabit speeds over standard twisted pair Telco cables.

SA-2252-0001	G.fast Balun with Twisted Pair
SA-2252-0010	G.fast Balun with RJ11

Premise Solutions

NID G.fast Splitter with Test Jack

The G.fast NID is designed for simple and easy clip-in installation in virtually all industry standard NIDs. The Splitter is environmentally sealed against the elements. This, in coordination with the gel filled IDCs, protects against the risk of corrosion or failure caused by nicked wires during stripping. A RJ-11 test jack is provided to validate dial tone on the primary phone line. A feature unique to the NID-01VTJ includes the addition of secondary surge protection, guarding the Splitter against lightning strikes and power crosses. The G.fast NID POTS Splitter is backwards compatible to VDSL and ADSL2+.

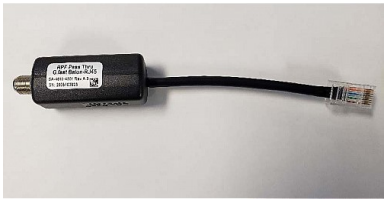
SA-4707-0001	NID-TJ-GF

G.fast EMI Suppressor Dongle

The Comtest G.fast EMI Suppressor is a Common Mode EMI Filter designed and specifically built for G.fast (212Mhz). This dongle will reduce or eliminate the effects of EMI on G.fast services.

SA-2255-GF01	G.fast EMI Suppressor Dongle

RPF Pass thru G.fast Balun



The Reverse Power Feed (RPF) G.fast Balun is a passive in-line product that converts a G.fast signal from a balanced twisted pair cable to an unbalanced 75 Ω coax (and vice versa) that allows for the passthrough of remote power. The RPF G.fast Balun is compatible with Reverse Power Feed configurations to allow G.fast to be extended via coax to businesses and MDU environments.

SA-4601-4501	RPF Pass thru G.fast Balun RJ45
SA-4610-1101	RPF Pass thru G.fast Balun RJ11

Coax/Balun

Flush Mount G.fast Balun

The Comtest Networks Flush Mount G.fast baluns provide the perfect in-unit solution for interfacing between coax cabling and the DSL modem or media gateway. The baluns can be installed in any standard telephone outlet for clean and efficient connection. The Comtest G.fast balun is a passive in-line device designed to convert a G.fast signal carried on a balanced twisted pair cable to an unbalanced 75Ω coax cable (and vice versa).

SA-2253-0001	Flush Mount G.fast Balun

Indoor G.fast Baluns

The Comtest Indoor G.fast Balun is a passive in-line device designed to convert a G.fast signal carried on a balanced twisted pair cable to an unbalanced 75 Ω coax cable (and vice versa). G.fast promises to deliver gigabit speeds over short lengths of standard twisted pair Telco cable; this reach can be optimally extended via coax to businesses and MDU environments.

SA-2252-0023-BK	G.fast Balun
SA-2252-0023-WH	G.fast Balun

Premise Solutions

Universal G.fast Baluns

Comtest Networks has released a G.fast Balun solution specifically designed for longer coax reach. The Comtest G.fast Balun is a passive inline device designed to convert a G.fast signal carried on a balanced twisted pair cable to an unbalanced 75Ω coax cable. G.fast promises to deliver gigabit speeds over standard twisted pair Telco cables.

SA-2252-0001	G.fast Balun with Twisted Pair
SA-2252-0010	G.fast Balun with RJ11

Universal VDSL2 Baluns

Comtest Networks introduces the first real twisted pair to coax Balun solution, specifically designed for use with VDSL2. The Comtest Baluns support up to 30A profile and are fully backward compatible to ADSL.

SA-2250-0001	VDSL2 Balun with Twisted Pair
SA-2250-0010	VDSL2 Balun with RJ11

RPF Pass thru G.fast Balun

The Reverse Power Feed (RPF) G.fast Balun is a passive in-line product that converts a G.fast signal from a balanced twisted pair cable to an unbalanced 75 Ω coax (and vice versa) that allows for the passthrough of remote power. The RPF G.fast Balun is compatible with Reverse Power Feed configurations to allow G.fast to be extended via coax to businesses and MDU environments.

SA-4601-4501	RPF Pass thru G.fast Balun RJ45
SA-4610-1101	RPF Pass thru G.fast Balun RJ11

Premise Solutions

IDC Bridging Modules

Bridging Modules provide a dependable, long-term means of connection between a user's service wire and the telephone distribution cable.

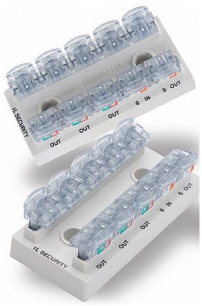
The "quiet front" design eliminates incidental shorts and the High Viscosity Compound (HVC) encapsulation blocks moisture and eliminates corrosion, resulting in trouble free service.

5/6/10-Pair IDC Bridging Module

The 5/6/10-Pair Bridging Modules have all Tips common and all Rings common, providing 1-in/4-out; 1-in/5-out or 1-in/9-out configurations that makes it ideal for terminating telephone extensions after the alarm module or when terminating multiple Inside Wire (I/W) home-runs.

MRB-05F0	5-Pair Bridging Module Non-Fire Rated
MRB-05F1	5-Pair Bridging Module Fire Rated
MRB-06F0	6-Pair Bridging Module Non-Fire Rated
MRB-06F1	6-Pair Bridging Module Fire Rated
MRB-10F0	10-Pair Bridging Module Non-Fire Rated
MRB-10F1	10-Pair Bridging Module Fire Rated

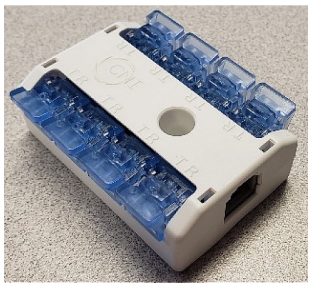
8-Pair Bridging Module with 2-Pair Security



The 8-Pair Bridging Module with 2-Pair Security has 8 Tips common and 8 Rings common, providing a configuration of 1-in/1-out for security system and 8-out for terminating multiple telephone Inside Wire (I/W) home-runs.

MRSB-08F0	8-Pair Bridging Module with 2-Pair Security Non-Fire Rated
MRSB-08F1	8-Pair Bridging Module with 2-Pair Security Fire Rated

Voice Distribution Block



The Voice Distribution Block combines 8 gel-filled IDCs with 2 gel-filled RJ-11 jacks all connected in parallel for the distribution of POTS services at a single location. LINE IN can be any one of the 8 IDCs or 2 RJ-11s and the individual inside wire set runs can be connected to the rest of the IDCs. The RJ-11s allow for direct line cord attachment from the ONT POTS output and easy access for the technician to monitor with their test set. The IDCs allow for quick and easy testing of inside wire line faults on individual set runs. These features assist with reducing the installation and/or repair time. The Voice Distribution Block's compact size fits standard sized in-wall electrical boxes or in most outdoor enclosures when needed.

SA-4310-0002	Voice Distribution Block

Premise Solutions

Primary Protectors

The Primary Protector is environmentally sealed against the elements and will fit in any standard Subscriber Network Interface enclosure. This, in cooperation with the gel filled IDCs, protect against the risk of corrosion or failure caused by nicked wires during stripping. The GDT (Gas Discharge Tube) is widely accepted as the best in the industry and the addition of Comtest Networks Secondary Surge Protection guards the equipment in the house against lightning strikes and power crosses.

Dual Primary Protector

The Dual Primary Protector is environmentally sealed against the elements. This, in cooperation with the gel filled IDCs, protects against the risk of corrosion or failure caused by nicked wires during stripping. Two set of test points are provided to validate dial tone on the primary and secondary phone lines. A feature unique to the Dual Primary Protector includes the addition of secondary surge protection on each line, guarding the equipment in the house against lightning strikes and power crosses.

SA-4713-0001 Dual Primary Protector

NID Primary Protection Module

This uniquely designed primary protection module is designed to fit into any standard Subscriber Network Interfaces (NID/SNI). It attaches easily and secures to our Comtest NID splitters, the NID01-VTJ and NID01-VTFB and will attach to other Manufacturer splitters if needed. The Comtest Networks Primary Protection Module will connect to either a threaded or Fast-on ground post.

SA-4705-0001 NID Primary Protection Module

Primary Protector with Test Jack

The Primary Protector with Test Jack is environmentally sealed against the elements. This, in cooperation with the gel filled IDCs, protects against the risk of corrosion or failure caused by nicked wires during stripping. An RJ-11 test jack is provided to validate dial tone on the primary phone line. A feature unique to the Primary Protector with Test Jack, is the inclusion of secondary surge protection, guarding the equipment in the customers premise against lightning strikes and power crosses.

SA-4714-0001 Primary Protector with Test Jack

Premise Solutions

All-In-One NID

Dual All-In-One NID

The Dual All-In-One NID is the complete solution for ease and savings of installation of Bonded VDSL2 service or 2 single DSL services in a duplex residence. The All-In-One seals two GDT primary protectors with IDC inputs, two VDSL2 splitters, two IDC outputs for modem 1 & 2 and 7 IDCs for POTS for Line 1 and 1 IDC for POTS Line 2 altogether. The Dual All-In-One is housed in its own outdoor rated enclosure.

SA-4715-E301	DUAL ALL-IN-ONE NID

All in One Fiber Solution

The All in One Fiber Solution covers many options. The enclosure is designed with the standard NID mounting pattern and allows for infinite variations of internal components which allow for fiber only, the smooth transition from Copper to Fiber or utilize both at the same time.

SA-6001-0001	AI1 NID Enclosure c/w Fiber Tray and Dual SC Holder

Voice Termination Box Series

VOIP Voice Termination Box

The VTB Series offers both indoor and outdoor wall mounted options for terminating multiple home run twisted pair wiring for voice services. The VTB-45 (4"x5") and VTB-55 (5"x5") offer various options of 5 or 10-pair bridging modules installed or as empty enclosures.

VTB-45C1B00L3100	VOIP 4" X 5" TERMINATION BOX EMPTY, CNI LOGO LID
VTB-45C1B05L3100	VOIP 4" X 5" TERMINATION BOX, ONE 5PR BM, PHILIPS/SLOT
VTB-45C1BD5L3100	VOIP 4" X 5" TERMINATION BOX, DUAL 5PR BM, PHILIPS/SLOT
VTB-45C1B10L3100	VOIP 4" X 5" TERMINATION BOX, 10PR BM, & PHILIPS/SLOT

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