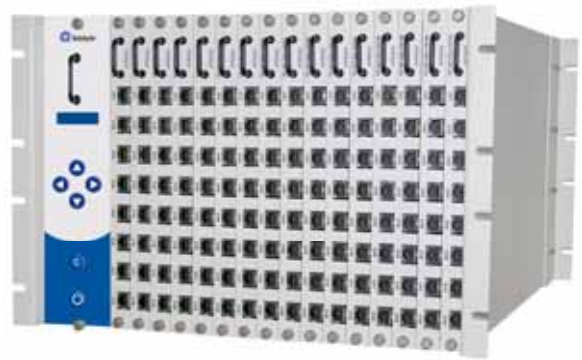




“Results You Can Count On”

**The 458-CC-16/458-CM
(16-Slot Chassis & Control Module)**

- **Accepts 1 - 16 458 Plug-In Modules**
- **Multiple Configurations (potential for 128 channels)**
- **Field-Upgradeable Firmware**
- **RS-232, Ethernet or IEEE-488 Interface**
- **Includes 458 Universal GUI Software**



Line Modules not included.

The Model 458-CC-16/458-CM (16-Slot Chassis & Control Module) accepts 1 - 16 plug-in modules and controls from 1 - 128 channels. It is ideal for testing DSL modems and other bandwidth-compliant telecom devices in a high-volume production environment. While it can be used as a stand-alone unit, the 458-CM interfaces with a PC via RS-232, IEEE-488, or Ethernet. In addition, the 458 Universal GUI (included with purchase) may be used to control the unit from a PC. Line lengths and configuration settings appear on an LCD display on the front of the unit and can be set via a keypad. For added convenience, the 458-CM firmware is field-upgradeable through the RS-232 port.

Telebyte’s 458 line modules simulate several cable types and offer the bandwidth requirements for today’s xDSL technologies such as varieties of G.SHDSL, ADSL, ADSL2+ and VDSL2. Line lengths and configuration settings appear on an LCD display on the front of the unit and can be set via a keypad. We also offer other modules that work with our 458-CC-16/458-CM, including the 458-SM-2-16 Transparent Switching Module, 458-AWGN2 Dual Output AWGN Generator Line Module and the 458-RT Ring Trip Interference Simulator.

Product Specifications 458-CC-16 (16-Slot Chassis) & 458-CM (sold separately)	
Controls	Keypad for setting loop lengths and IEEE-488 address, RS-232, or Ethernet communication parameters.
Indicators	Backlit LCD display of line length and set up parameters.
Power	88 to 264 VAC, 50 or 50 Hz
Size	[7U] 19 in W x 22 in D x 12.22 in H (482.6 mm W x 558.8 mm D x 310.4 mm H)
Environmental	Operating: +32 F to +122 F (0 to +50 degrees C) Storage: 0 to 95% relative humidity (non-condensing)
Remote Control Connectors	RS-232: DB9 female (DCE), GPIB: IEEE488 24-pin connector, Ethernet: RJ-45
Plug-In Compatibility	Accepts 1-16 458 Plug-In Modules

Specifications are subject to change without notice. Made in USA.



The 458-CC-16/458-CM Companion Products

“Results You Can Count On”

Loop Simulation:

Line Module	Technology	Noise Sources	CHs	Cable	Lengths/Increments	Bndwidth DC To:
458-LM-E8-2	G.SHDSL	0	8	PE04	0 to 4,500 m/300 m	2 MHz
458-LM-HD	ADSL, ADSL2, ADSL2+	0	8	26 AWG PIC	Channel 1: 0 - 31,750 ft/250 ft Channel 2-8: 0-30,000 ft/2,000 ft	4.5 MHz
458-LM-HDE	ADSL, ADSL2, ADSL2+	0	8	0.4 mm PE	Channel 1: 0 - 9,450/150 m Channel 2-8: 0-9,000/600 m	4.5 MHz
458-LM-A2-18	ADSL, ADSL2, ADSL2+, VDSL, VDSL2 (up to Profile 17a)	0	2	24/26 AWG	0-16,000 ft/100 ft	18 MHz
458-LM-A8-18	ADSL, ADSL2, ADSL2+, VDSL, VDSL2 (up to Profile 17a)	0	8	26 AWG PIC	0-15,000 ft/1,000 ft	18 MHz
458-LM-A1-30 (AWGN2)	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0, 2	1	26 AWG PIC	0 to 24,000 ft/25-ft	30 MHz
458-LM-A1-30-DC	E-SHDSL, G.SHDSL, ADSL, ADSL2+, VDSL2	0	1	26 AWG PIC	0 to 21,000 ft/100-ft	30 MHz
458-LM-A1-30-TR114 (incl. Bridged Tap)	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	1	24/26 AWG PIC	26 AWG: 0 to 24,000 ft/25-ft 26 AWG BT: 0 to 200 ft/10-ft 24 AWG: 50 ft	30 MHz
458-LM-E1-30-04 (AWGN2)	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0, 2	1	0.4mm PE	0 to 9,000 m/10-m	30 MHz
458-LM-E1-30-04+ (AWGN2)	G.SHDSL, ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0, 2	1	0.4mm PE/PE04	0 to 9,000 m/10-m	30 MHz
458-LM-E1-30-04-DC	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	1	0.4mm PE	0 to 6,350 m/25-m	30 MHz
458-LM-E1-30-TP100 (AWGN2)	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0, 2	1	TP100	0 to 9,000 m/10-m	30 MHz
458-LM-A8-30	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	8	26 AWG PIC	0-15,000 ft/1,000 ft	30 MHz
458-LM-A8-30+	G.SHDSL, E-SHDSL, ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	8	26 AWG PIC	0-15,000 ft/1,000 ft	30 MHz
458-LM-E8-30	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	8	0.4 mm PE	0-4,500 m/300 m	30 MHz
458-LM-A2-36	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	2	24/26 AWG	0-3,150 ft /50 ft	36 MHz
458-LM-A8-36	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	8	26 AWG PIC	0-7,500 ft /500 ft	36 MHz
458-LM-E2-36	ADSL, ADSL2+, VDSL2	0	2	0.4/0.5 mm PE	0-1,575 m/25 m	36 MHz
458-LM-E8-36	ADSL, ADSL2, ADSL2+, VDSL, VDSL2	0	8	0.4 mm PE	0-2,250 m/150 m	36 MHz

Test Automation:

458-SM-2-16	G.SHDSL, ADSL, ADSL2, ADSL2+, VDSL, VDSL2	2 x 16 Transparent Switching Module for Multiplexing/Demultiplexing
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AWGN Generation:

458-AWGN2	G.SHDSL, ADSL, ADSL2, ADSL2+, VDSL, VDSL2	Dual Output AWGN Generator Line Module
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Ring Trip Interference Simulation:

458-RT	TR-127	Ring Trip Interference, AWGN & Local Loop Testing
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Interface Adaptor Cables:

RJ21X1-RJ45X24	Interface adaptor cable with one 50-pin female RJ-21 connector to twenty-four male RJ-45 connectors
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Refer to individual datasheets for detailed information.