

Specifications

MLC Plus 100

Memory

SDRAM.....	512 MB
Flash.....	512 MB

Software

Configuration software	Global Configurator® Plus and Professional
Control apps	Extron Control
Resource management software....	GlobalViewer® Enterprise
Utilities	Toolbelt, embedded web page

Ethernet

Network interface controllers (NICs)	1
Connector.....	1 female RJ-45 connector
Data rate.....	10/100/1000Base-T, half/full duplex with autodetect
Protocols	ARP, DHCP, DNS, HTTP (redirect), HTTPS, ICMP, IEEE 802.1X, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP
Default settings	Link speed and duplex level = autodetected IP address = 192.168.254.250 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DHCP = off DNS: 127.0.0.1

Serial

Quantity/type	2 bidirectional RS-232
Connectors	(2) 3.5 mm captive screw connectors, 3 pole
Baud rate and protocol	300 to 115200 baud (9600 baud = default); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), even, or odd parity

NOTE: These ports support software flow control. The default is no flow control.

Pin configurations

Serial, 3-pole captive screw..... Pin 1 = Tx, 2 = Rx, 3 = Gnd

Digital input

Quantity/type	1 digital input
Connectors	(1) 3.5 mm captive screw connector, 2 pole
Digital input	
Input voltage range.....	0 to 24 VDC, clamped at +30 VDC
Input impedance	17.5k ohms
Programmable pullup	1k ohms to +5 VDC
Threshold low to high	2.8 VDC
Threshold high to low	2.0 VDC
Pin configurations	1 = digital input, 2 = Gnd

Specifications • MLC Plus 100 (Continued)

IR

Quantity/type	1 TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 300 kHz
Connectors	(1) 3.5 mm captive screw connector, 2-pole
Pin configurations	Pin 1 = signal, 2 = Gnd
IR output carrier frequency.....	30 kHz to 300 kHz

Relay

Quantity/type	2 normally open relays
Relay control connectors	(1) 3.5 mm captive screw connector, 3 pole
Relay control contact rating.....	24 VDC, 1 A

Volume control

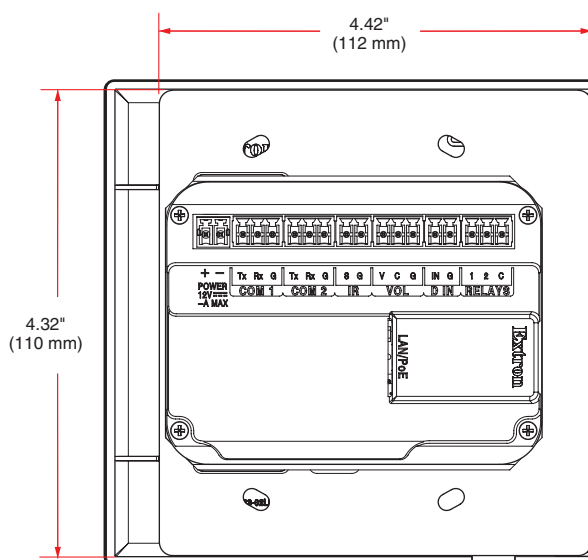
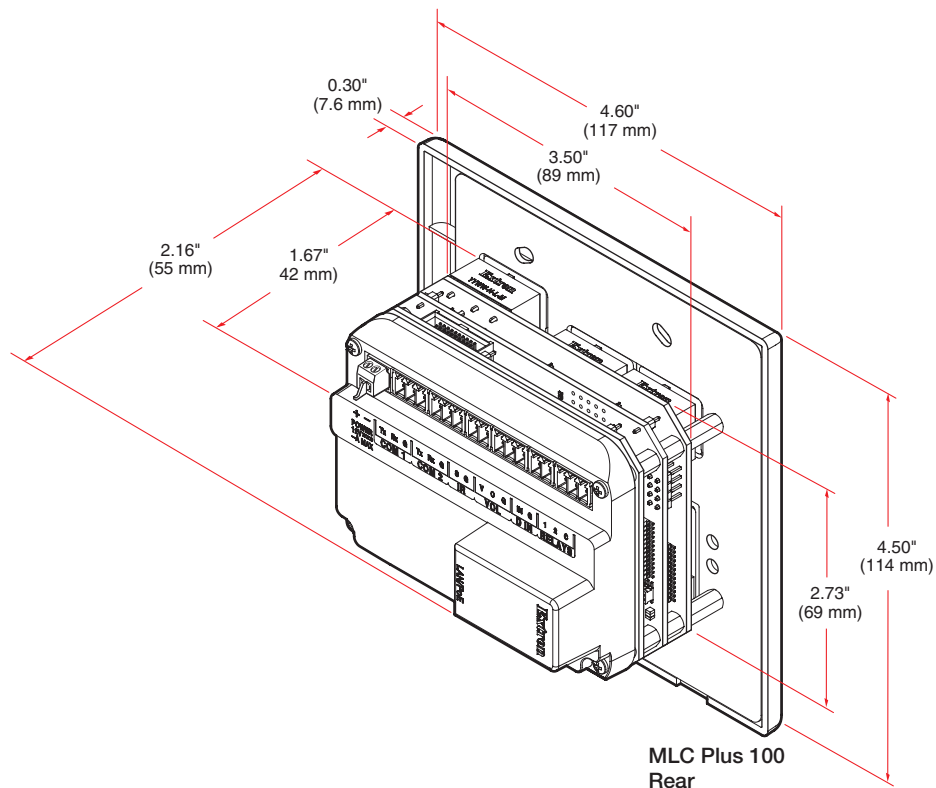
Quantity/type	1 volume control (compatible with select Extron amplifiers)
Connectors	(1) 3.5 mm captive screw connector, 3 pole
Pin configuration	Pin 1 = ≤10 VDC reference voltage input, pin 2 = 0 to +10 VDC control voltage output, pin 3 = Gnd
Control voltage output range.....	0 to +10 VDC (±0.2 volts), adjustable

General

Power supply	External (not included) Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 0.5 A, 6 watts Or Power over Ethernet (PoE) (complies with PoE 802.3af, class 3), 48 VDC, 0.35 A, 16.8 watts
Power consumption	
Device	2.2 watts, 12 VDC 3.7 watts, 48 VDC (PoE)
Device and power supply	3.0 watts, 100-240 VAC, 50-60 Hz
Device and PoE injector.....	5.0 watts, 100-240 VAC, 50-60 Hz
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Thermal dissipation	
Device	7.3 BTU/hr (using 12 VDC) 12.6 BTU/hr (using 48 VDC, PoE)
Device and power supply	10.0 BTU/hr
Device and PoE injector.....	17.1 BTU/hr
Mounting	
Rack mount.....	No
Furniture or wall mount.....	Yes, in a standard US 2-gang electrical junction box or mud ring

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Enclosure type	Plastic faceplate and high-impact plastic rear enclosure
Enclosure dimensions	
Faceplate	4.50" H x 4.60" W x 0.30" D (114 mm H x 117 mm W x 7.6 mm D)
Device	2.73" H* x 3.50" W x 2.16" D (69 mm H* x 89 mm W x 55 mm D) (Depth excludes faceplate and buttons. Fits most 2 gang US boxes or mud rings. Allow at least 2.40" [61 mm] depth in the wall or furniture.)



Product weight	0.8 lb (0.4 kg)
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Regulatory compliance.....	CE, C-Tick, c-UL, FCC Class A, ICES, UL, VCCI class A Complies with the appropriate requirements of RoHS, WEEE, and of Section 508 of the Rehabilitation Act (29 U.S.C. 794d).
Product warranty	3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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