

Specifications

MLC 226 Series

IP Intercom

Connection type (IPI-MLC).....	RJ-45 jack for CAT 5/5e/6 cable
Audio	
Frequency response.....	20 Hz to 3.3 kHz, ± 1 dB
Audio processing	
Audio format.....	PCM, μ -law companded
Sampling rate.....	8 kHz
Sample size.....	16 bit, μ -law companded to 8 bit
Audio latency.....	Software: 30 ms through 160 ms Network: <150 ms, typical
Audio output	
Number/signal type.....	1 mono (for use with an optional IP Intercom)
Line level output.....	-10 dBV (316 mVrms), unbalanced (via 3.5 mm captive screw connector, 2 pole)
Communication	
Transport bandwidth for IPI control and audio, half duplex	
	80 kbps (0.08% of 100Base-T)
Ethernet protocol.....	IP (control), TCP (control), UDP (audio)

Control — host ports

Serial host port	2 bidirectional RS-232: 1 rear panel female 9-pin D connector (shared with digital input), 1 front panel 2.5 mm mini stereo jack
Baud rate and protocol	38400 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations.....	9-pin D connector: 2 = Tx, 3 = Rx, 5 = Gnd Mini stereo jack: tip = Tx, ring = Rx, sleeve = Gnd
Ethernet host port.....	1 female RJ-45
Ethernet data rate (for network communication)	
	10/100Base-T, half/full duplex with autodetect
Ethernet protocol	ARP, ICMP (ping), IP, TCP, DHCP, HTTP, SMTP, Telnet
Ethernet default settings	Link speed and duplex level = autodetected IP address = 192.168.254.254 Subnet mask = 255.255.0.0 Default gateway = 0.0.0.0 DHCP = off
Web server	Up to 200 simultaneous sessions 7.25 MB nonvolatile user memory
Secondary control panel (SCP)	(1) 3.5 mm 5-pole direct insertion captive screw connector (shared with control module port)
Program control	Extron Global Configurator for Windows® Extron Simple Instruction Set (SIS™) Microsoft® Internet Explorer®, Telnet
IR learning frequencies.....	30 kHz to 62 kHz
IR learning distance.....	2" (5.1 cm) to 12" (30.5 cm) from the front panel

Relay

Number/type.....	6 momentary or latching (configurable via software)
Connectors.....	(3) 3.5 mm captive screw connectors, 3 pole
Connector configuration.....	Groups A, B, C; each with 1 common and 2 normally open relays (default)
Contact rating.....	24 VDC, 1 A

Specifications • MLC 226 Series (Continued)

Serial

Display control port	(1) 3.5 mm direct insertion captive screw connector, 3 pole, programmable for bidirectional RS-232 control (± 5 V) or TTL level (0 to 5 V) infrared control up to 1 MHz
Switcher control port	(1) 3.5 mm direct insertion captive screw connector, 3 pole, for bidirectional RS-232 control (± 5 V)
Baud rate and protocol (RS-232) ...	115200 to 300 baud (9600 baud = default); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), or even or odd parity

IR/serial

IR/serial control ports	(3) 3.5 mm direct insertion captive screw connectors, 2 pole Programmable: unidirectional RS-232 (± 5 V) control, or TTL level (0 to 5 V) infrared control up to 1 MHz
Baud rate and protocol	115200 to 300 baud (9600 baud = default) ; 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), or even or odd parity

Digital I/O

Number/type	1 digital input/output (configurable), 1 digital input
Connector	1 rear panel female 9-pin D connector (shared with the serial host port) (1) 3.5 mm direct insertion captive screw connector (shared with power sense port)
Pin configuration	9-pin D connector: 1 = digital input, 5 = Gnd; power sense = digital in, GND = Gnd
Digital inputs	
Input voltage range	0-12 VDC
Input impedance	28k ohms
Programmable pullup	2k ohms to +5 VDC
Threshold low to high	>2.8 VDC
Threshold high to low	<2.0 VDC
Digital output	250 mA sink from 24 VDC, maximum

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watt
Power consumption	
MLC 226 IP DV+	Includes MLC 226 IP and IRCM-DV+
Device	5.4 watts, 12 VDC
Device and power supply...	6.5 watts, 100-240 VAC, 50-60 Hz
All other models	
Device	5.0 watts, 12 VDC
Device and power supply...	6.4 watts, 100-240 VAC, 50-60 Hz

NOTE: If the MLC powers accessories (control modules, SCPs), the MLC must be powered by its own external power supply, not by a switcher. If accessories are powered separately, the MLC may be powered by an MLS or PVS switcher.

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	
MLC 226 IP DV+	Includes MLC 226 IP and IRCM-DV+
Device	18.5 BTU/hr
Device and power supply...	21.9 BTU/hr
All other models	
Device	17.0 BTU/hr
Device and power supply...	21.8 BTU/hr

Specifications • MLC 226 Series (Continued)

Mounting

Rack mount

MLC 226 IP DV+	No
All other models.....	Yes, with optional rack mounting kits

Furniture or wall mount

MLC 226 IP DV+	Yes
All other models.....	Yes, with optional mounting kits

Enclosure type

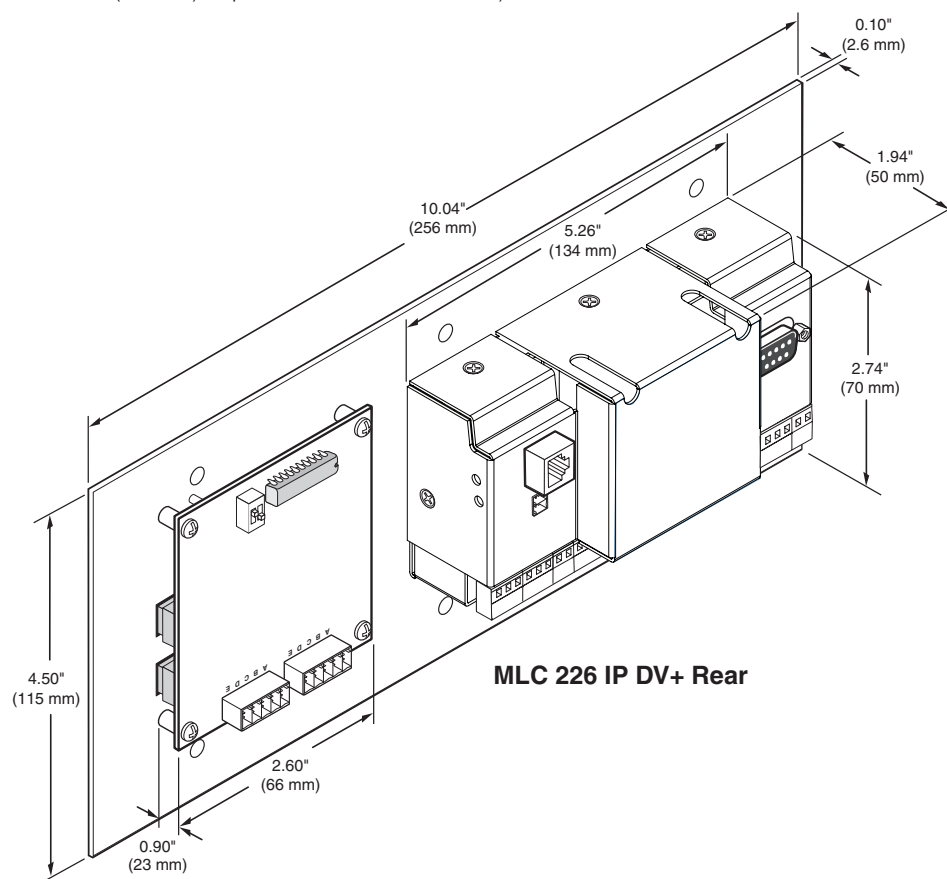
MLC 226 IP, MLC 226 IP DV+ .	High-impact plastic faceplate, metal rear enclosure
MLC 226 IP AAP, MLC 226 IP L	Metal faceplate, metal rear enclosure

Enclosure dimensions

MLC 226 faceplate.....	4.50" H x 6.42" W x 0.10" D (115 mm H x 163 mm W x 2.6 mm D) (3 gang)
MLC 226 AAP, MLC 226 IP DV+ faceplates	4.50" H x 10.04" W x 0.10" D (115 mm H x 256 mm W x 2.6 mm D) (5 gang)
MLC 226 L faceplate	3.15" H x 6.50" W x 0.10" D (80 mm H x 166 mm W x 2.6 mm D)

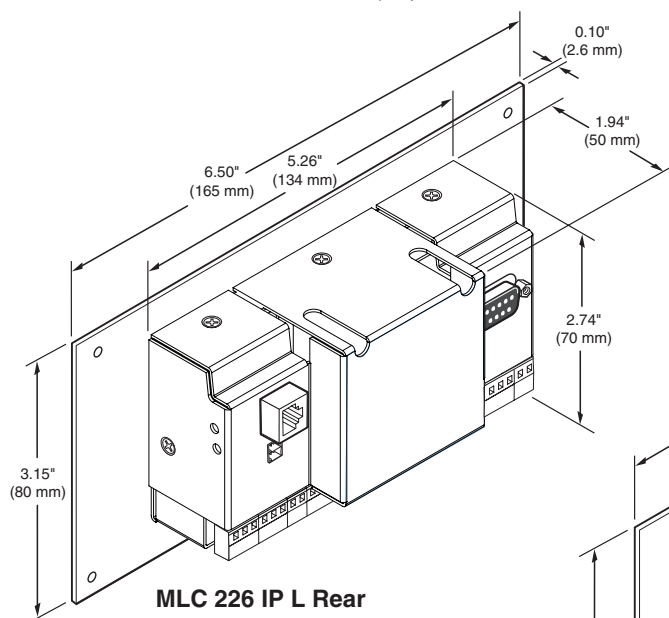
Device

MLC 226 IP DV+	2.74" H x 5.26" W x 1.94" D (70 mm H x 134 mm W x 50 mm D) and 2.74" H x 2.60" W x 0.90" D (70 mm H x 66 mm W x 23 mm D) (Depth excludes knob and buttons. Fits some 5 gang boxes. Allow at least 2.1" (53 mm) depth in the wall or furniture.)
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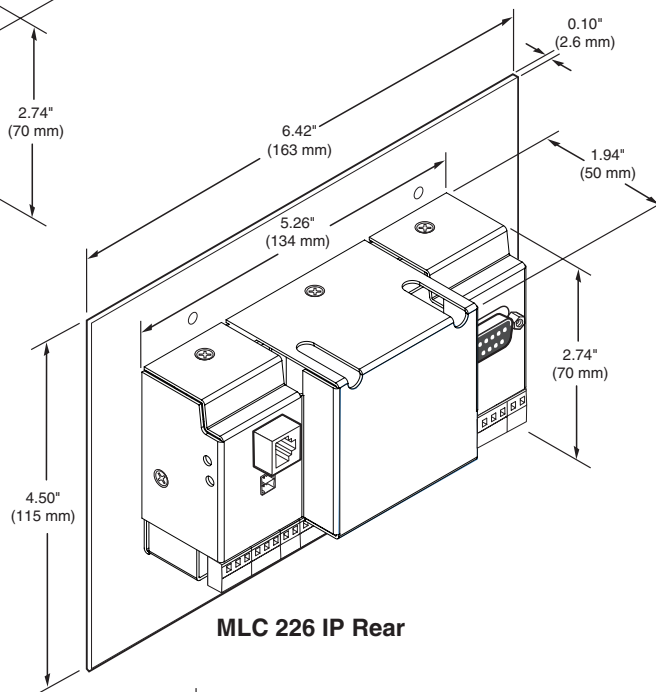


Specifications • MLC 226 Series (Continued)

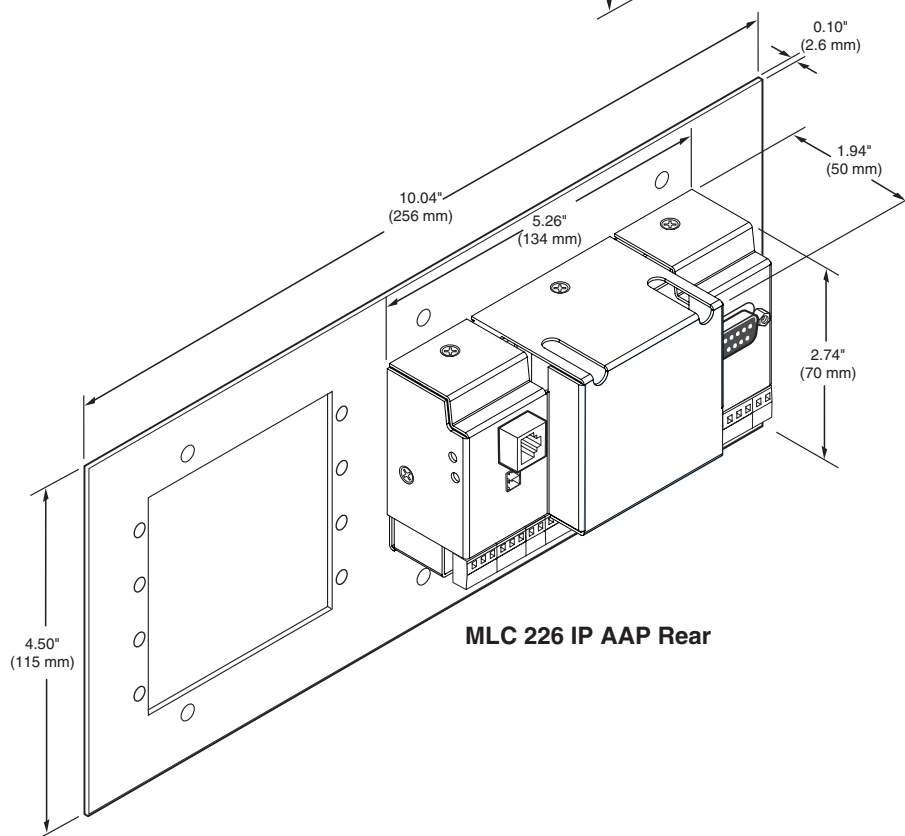
All other models..... 2.74" H x 5.26" W x 1.94" D (70 mm H x 134 mm W x 50 mm D)
(Depth excludes knob and buttons. Fits some 3 gang boxes.)



MLC 226 IP L Rear



MLC 226 IP Rear



MLC 226 IP AAP Rear

Specifications • MLC 226 Series (Continued)

Product weight	
MLC 226 IP DV+	1.0 lbs (0.5 kg)
All other models.....	0.7 lbs (0.3 kg)
Regulatory compliance.....	CE, C-Tick, c-UL, FCC Class A, ICES, KC, UL, VCCI Complies with the appropriate requirements of Section 508 of the Rehabilitation Act (29 U.S.C. 794d).
Product warranty	3 years parts and labor
Everlast power supply warranty.....	7 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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

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