

# Specifications — IPI 101, IPI 104

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## Audio— IPI 101, IPI 104 and MLC 226 IP

Speaker .....	1.4" (35.6 mm), 1-way, indoor
Frequency response	
Line level output (MLC)...	20 Hz to 3.3 kHz, $\pm 1$ dB
Speaker output	
IPI .....	300 Hz to 3.3 kHz, -10 dB
Nominal sensitivity/IPI speaker output level	
	80 dB SPL, 300 mW, 3' (1 m)
Processing	
Audio format .....	PCM, $\mu$ -law companded
Sampling rate.....	8 kHz
Sample size.....	16 bit, $\mu$ -law companded to 8 bit
Audio latency.....	<100 ms

## Audio input— IPI

Number/signal type.....	1 mono, via integrated electret microphone
Microphone gain .....	-30 dB to 0 dB, adjustable in 2 dB steps

**NOTE** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV  $\approx$  2 dBu

## Audio output

Number/signal type.....	2 mono: 1 via MLC 226 IP, 1 via IPI speaker
Line level (MLC).....	-10 dBV (316 mVrms), unbalanced (via 3.5 mm captive screw connector, 2 pole)
Amplified speaker	
IPI .....	300 mW, continuous, 1% THD

## Ethernet control interface via MLC 226 IP

Ethernet control/communications port	
	1 RJ-45 female connector
Ethernet data rate/transport bandwidth	
	80 kbps
Communications type .....	Half duplex
Protocol.....	TCP/IP (control), UDP (port 3121, audio), Telnet
Program control (via MLC).....	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™) Microsoft® Internet Explorer, Telnet

## General

Power .....	Supplied by an MLC 226 IP
Power input requirements .....	+12 VDC, <100 mA
Distance between MLC 226 IP and an IPI .....	100' (30.5 m), maximum
Connection type (IPI-MLC).....	RJ-45 jacks with CAT 5, CAT 5e, or CAT 6 cable
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
Mounting	
Rack mount .....	Yes, with optional faceplate
Furniture mount.....	Also furniture- and wall-mountable with optional faceplate or in an MLC 226 IP AAP faceplate
Enclosure type .....	Metal faceplate

# Specifications — IPI 101, IPI 104, cont'd

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Enclosure dimensions

Board/device .....	2.7" H x 2.6" W x 0.9" D (6.9 cm H x 6.6 cm W x 2.3 cm D) (Depth excludes buttons and switch. Allow at least 2.1" (5.3 cm) depth in the wall or furniture.)
Product weight .....	0.2 lbs (0.1 kg)
Shipping weight .....	1 lbs (1 kg)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)

Regulatory compliance

Safety .....	CE, CUL, UL
Compliances .....	CE, C-tick, FCC Class A, ICES, VCCI
MTBF .....	30,000 hours
Warranty .....	3 years parts and labor

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

**NOTE** Specifications are subject to change without notice.

7.6-112008-D6

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