

JACQUES IPM-650 VoIP Master Intercom Station

Description

The JACQUES IPM-650 is a master intercom station for the *650 Series VoIP (Voice over IP) Intercom System*. It is a simple and easy to use unit that provides the user the power to call any slave, master or PA interface under the control of the system server. It seamlessly integrates into an existing 10/100 Ethernet network and can be conveniently powered by PoE (Power over Ethernet).



Desk mount model shown

Features

- State of the art Voice Over IP technology
- Crystal clear voice communications
- Hand free operation
- Large 2x16 character display with backlighting for reliable viewing in dark conditions
- Professional and attractive heavy-duty front panel
- Easy cabling - only a single Ethernet cable to connect
- Retrofit capability – seamlessly integrates into an existing 10/100 Ethernet network
- Powered via PoE (Power over Ethernet) or plug pack
- Reliable, long life keypad
- Easy expansion for small or large systems

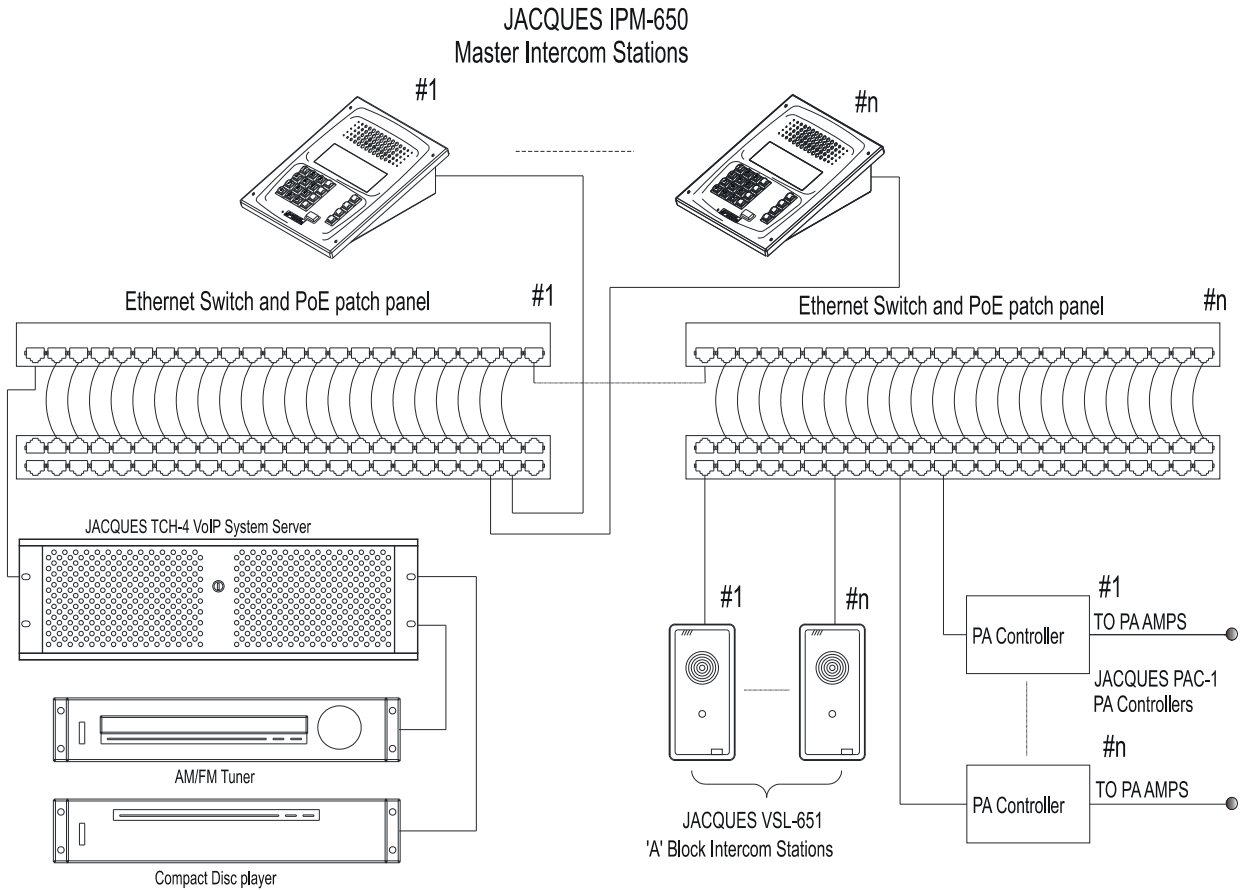
Optional Features

- Handset
- Flush mounting front panel (for console integration)

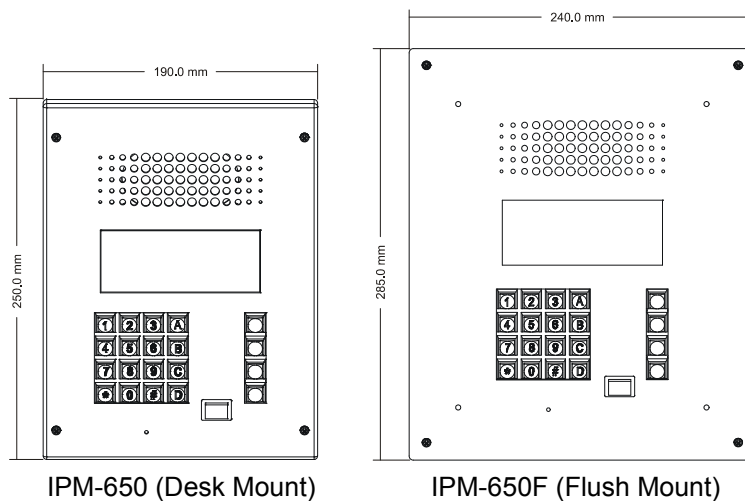
Applications

- Correctional centres, court houses, and secure facilities
- Schools and universities
- Car parks and shopping centres
- Rail and bus terminals

Block Diagram



Mounting Options



Specifications

General

Power Source	16 to 32 V d.c. via Ethernet Connector (PoE) or plug pack.
Power	7 W max
Weight	2.35 kg

Audio Characteristics

Output Power (speaker)	2 W r.m.s.
Output Frequency Response (-3dB)	100 Hz - 6.3 kHz
Output Distortions	0.2 % (0.5 W rms speaker output)
Transmission Format	Real-time Transport Protocol (RTP) streaming via Ethernet.
Digital audio format – Voice	A-law compressed PCM 16 kHz sampling rate.
Digital audio format – Music	MPEG Layer 3 (MP3), typical encoding: 128kb/s stereo 44.1 kHz

Interface Media	IEEE 802.3 10BASE-T Ethernet, 10Mb/s
Quality of Service (QoS)	IEEE 802.1P Ethernet/Layer 2, Diffserv (RFC 2998) IP/Layer 3
Protocols Supported	TCP/IP: UDP, DHCP, RTP, RTCP, JCCP
Audio Streaming Bandwidth	128kb/s one way (256 kb/s for full duplex)

Dimensions

Dimensions (IPM-650)	90(H) x 250(L) x 190(W)
Dimensions (IPM-650F)	90(H) x 285(L) x 240(W)

Cabling

	Type	Max. Length
Power Input/ Ethernet	4 pair screened CAT-5, multi-strand, 100 Ω	100 m

Environmental

Operating Temperature	(0 – + 50) °C
Storage Temperature	(-10 – + 60) °C
Humidity	10% - 95% RH (non-condensing)
	AS1099 Test Cb, IEC68-2-56

EMC Compliance

C-Tick	N12046 AS/NZS CISPR 22:2002 Class A
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Ordering Information

Part Number	Description
50629	IPM-650 VoIP Master intercom console, desk mount
50948	IPM-650H VoIP Master intercom console, desk mount with handset
51094	IPM-650F VoIP Master intercom console, flush mount
50971	24 V d.c. 2 A plug pack,
50997	PoEA-1 inline PoE adaptor, single port
50961	PoEA-6 inline PoE adaptor, 6 port

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