



IP7 Audio IP Paging and Intercom

Overview

- ◆ The IP7 audio IP intercom and paging adapters from BC Technology allow intercom or paging over Ethernet IP local area (LAN) and wide area (WAN) networks.
- ◆ For intercom voice quality audio is delivered from a microphone and/or loudspeaker connected to the IP7 adapter to a computer. The computer operator can then communicate with the caller and take any necessary action.
- ◆ For paging the PC can send voice messages to selected, groups or all adapters to a network of paging speakers.
- ◆ TalkMaster software is available to allow scalability to the system. Ultimately, many hundreds of IP7 adapters can report to a suite of PCs.

Applications

◆ Door Entry

The IP7 system is suited to door entry installations using door stations from the BC Technology range. The IP7 adapter has an on-board relay for door release.

◆ Help Points

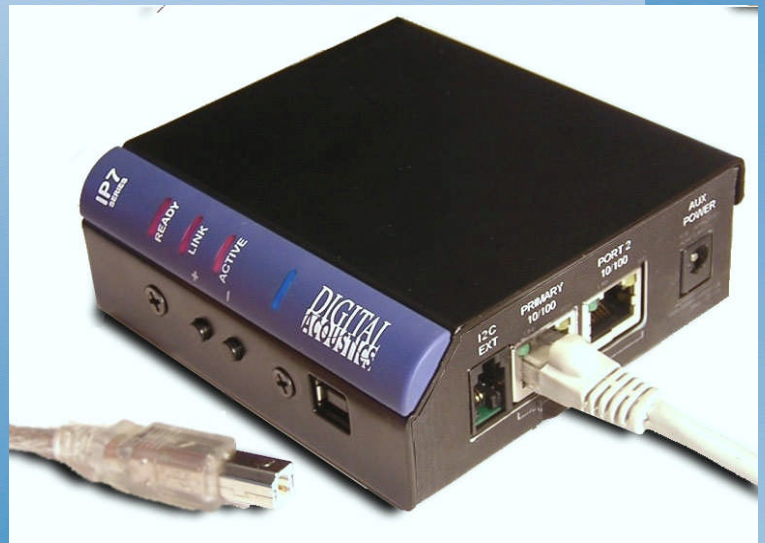
The IP7 adapter can connect to a bespoke help point in order to summon assistance from remote car parks, railway stations, underground stations, motorways and other potentially dangerous areas.

◆ Intercom

The IP7 can be utilised as an intercom between remote areas and a central monitoring point. They can be used in schools, supermarkets, car parks etc.

◆ Paging Information Messages

IP7 adapters can be used in situations where information may be helpful. Supermarkets, leisure centres, railway and underground stations, airports etc.



Schools & Universities

Railway Stations



Car Parks

Specifications

Network Protocols: TCP, UDP, IP, ARP, ICMP, IGMP, MULTICAST
Network Interface: 10/100 Base-T Ethernet, Auto-MDIX
IP Address Assignment: Static, DHCP
Bandwidth: 64kbs Nominal
Audio Protocol: G.711. 8/16bit PCM/uLaw
Audio Line In/Out: Nominal 1V p/p
Audio Power Out: 1W / 8 Ohm
Relay: 250 VAC / 30VDC @ 60W
Power: 9-24VAC or 9-32VDC @ 3W (Dual Port 4W)
PoE Standards: 802.3af (4W)
Operating Temperature: -30~70 C
Size: 98 mm x 91mm x 35mm



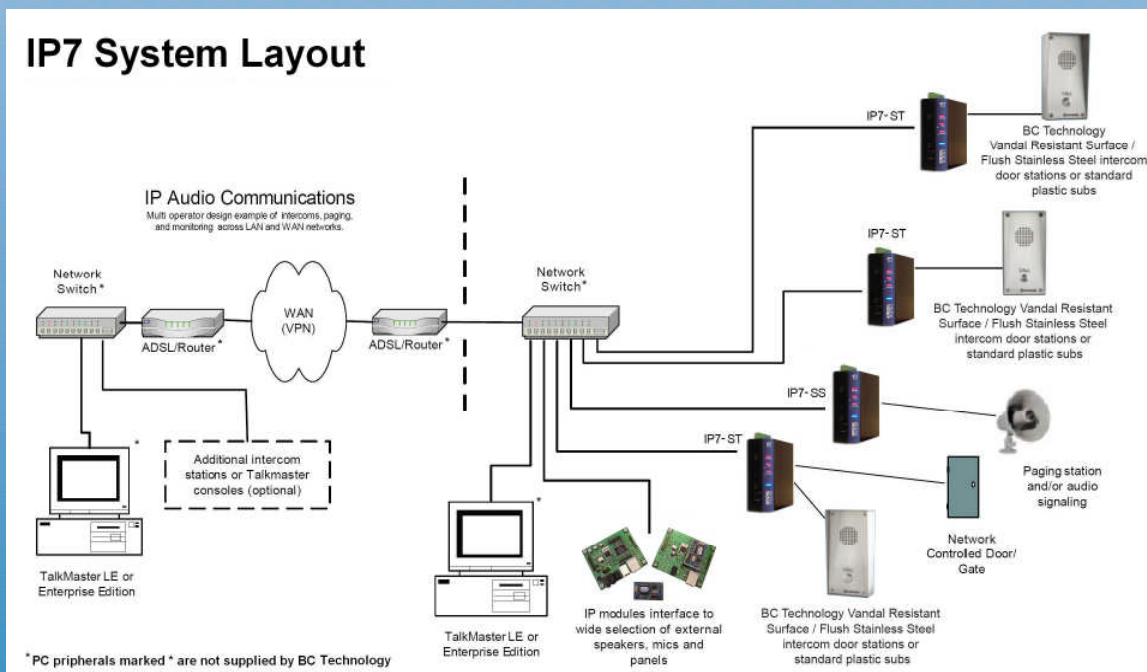
Software

TM-LE TalkMaster Light Edition. Supplied with every IP7 module. Operator software for 1 PC and multiple IP7 modules.
TM-EE TalkMaster Enterprise Edition. Optional operator software for multiple PCs and multiple IP7 modules.
SDK *Software Development Kits are available for TM-LE and TM-EE to enable integration and bespoke applications.

Models

IP7-ST 2 Watt intercom PoE (can use separate PSU) with single Ethernet port
IP7-STX 2 Watt intercom PoE (can use separate PSU) with two Ethernet ports
IP7-SS8 8 Watt paging PoE (can use separate PSU) with single Ethernet port
IP7-SE8 8 Watt paging PoE (can use separate PSU) with two Ethernet ports
IP7-SS20 20 Watt paging (requires 24vac PSU) with single Ethernet port

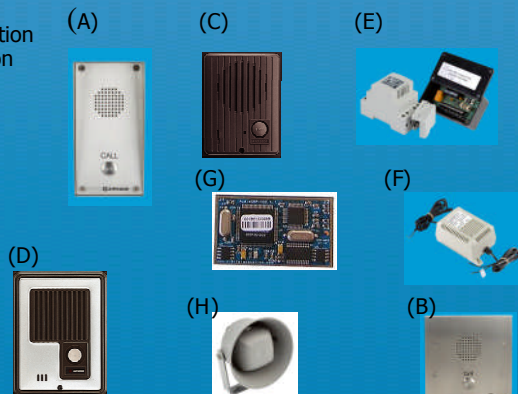
IP7 System Layout



Peripherals

- (A) **AMP-LE-S** Stainless Steel surface mounted audio door station
- (B) **AMP-LE-F** Stainless Steel flush mounted audio door station
- (C) **IF-DA** Plastic surface door station
- (D) **IE-DC** Plastic and aluminium surface door station
- (E) **VC-AC/DC** 12vdc power supply
- (F) **PS-24AC** 24vac psu
- (G) **ICC PCB** Communications PCB for OEM integration
- (H) **HORN** 8 Ohm horn speaker

*Computer peripherals such as routers, switches, computers, microphones etc. are not supplied by BC Technology.



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