

PRODUCT SPECIFICATION

The IP OPT8 Input Bridge is typically used to interface up to 8 inputs into a TACERA Nurse Call system from external devices such as room sensors, access control sensors, fire and smoke alarms, etc., allowing TACERA to recognise and handle alarms from 3rd party systems.

The bridge is enclosed in a slimline black plastic case with a mounting flange, allowing the bridge to be fixed to most surfaces. The lid is silk screened to show the function of each input terminal (just above its position) and inputs are easily accessible once the lid is lifted.

Call inputs are 3.5 KV opto-isolated and connected via 8 pairs of screw terminal connectors. Call inputs are polarity independent and may range from 6-24 V DC or AC rms to trigger a call.

For safety, the ground for all inputs is connected to system 0 V.

The input impedance for each input channel is 6.7 kohm.

Calls are automatically cancelled when the activation input is removed. Latching of calls must be via the external system.

Access via a web-browser allows the type and priority level to be independently programmed for each call input (emergency, fire, security, etc.).

The system interfaces to the IPnet Router via a CAT5/6 UTP cable with 8-way modular connectors. Two IPnet ports allow both power and IPnet data to pass through the device on one IPnet run.

Up to 15 IPnet devices can be connected per IPnet Router port, subject to a maximum cable length of 300 m.

Bridges are plug-and-play with their own unique MAC address – when connected to the IPnet Router, a DHCP IPnet address will be automatically assigned. Access via a web-browser allows all bridges to be assigned their functionality, bed, room or area location.

The operating parameters of each bridge, including input, function and location, can be upgraded in real time without shutting down the system. This allows changes to be made on a working system without interruption to the operation of the system.

The bridge electronics are protected against power surges, near lightning strikes, cable shorts and power reversals.

CISPR 22 Class B certification ensures that the bridge meets the new international emission requirements for hospitals and aged care facilities.

The bridge complies with the international RoHS Directive for the restriction of hazardous substances in electronic equipment.

Dimensions & Specifications

Height:	77 mm	Depth:	36 mm
Width:	112 mm	Weight:	110 g
Housing:	Plastic enclosure	Mounting Method:	Surface mount. 2 holes 122 mm centres
Connectors:	IPnet - 2 x RJ-45 socket Inputs - 16 screw terminals for 8 isolated inputs	Cable Size:	IPnet - CAT5, CAT5E, CAT6, CAT6E Inputs - 2 core (AWG 18-24) security cable for each call input
Current Consumption:	15 mA at 24 V nominal	Voltage:	IPnet - 8-30 V DC Inputs - 6-24 V (AC or DC)
Operating Temperature:	0 – 50°C	Relative Humidity Range:	0 – 85% Non Condensing

Ordering Options

Code	Description	Order Options
IP-OPT8	IP OPT8 Input Bridge	

Designed to comply with:

- AS 3811: Hard-wired patient alarm systems.
- HTM 08-03: Bedhead services.
- UL 1069: Hospital Signaling and Nurse Call Equipment.
- IEC 60601-1, UL 60601-1 and CAN/CSA C22.2 No. 601.1-M90: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.



Manufactured in general accordance with the requirements of international quality assurance standard ISO9002.

Authorised Austco Reseller

