IP Connector

What is it?

IP Connector is a simple retrofit solution that enables Tunstall Communicall systems to connect to new digital networks which are replacing current analogue telephone lines. It enables the use of the digital NOW-IP (BS8521-2:2020) alarm signalling protocol between the site and remote alarm receiving centre (ARC).

Who is it for?

The solution is designed for all housing providers who provide supported living services using Communicall systems. It allows for a phased approach to investment into the new digital future as all existing equipment can remain in place with no requirements for re-wiring.

How does it work?

The IP Connector connects to the existing telephone line output and power provided by the Communicall control unit. It converts the analogue tone protocol into digital protocol and outputs the data via an Ethernet port connected to the local router. The IP alarm protocol is then transmitted across the digital network to the ARC. The voice component of the alarm call is handled in the same way using Voice over IP (VoIP). All the data is encrypted to provide maximum security.

To provide additional robustness and resilience for the transmission of alarm calls, the IP Connector incorporates cellular connectivity to transmit alarm calls should the broadband connection be unavailable.

The IP Connector is configured remotely using the secure, cloud-based Device Management Platform (DMP). The DMP also allows Tunstall to monitor the connectivity status via heartbeats and enables future over-the-air firmware upgrades.

Features and benefits

- Compatible with Communicall Vi, Vi IP, Connect, DECT, Piper Haven with TIC and Vision
- Provides cost-effective service continuity as the UK telephony infrastructure is migrated to digital
- Has no effect on the use of the system by residents or staff
- Provides increased system resilience by providing multiple offsite alarm paths with availability monitoring (Ethernet and cellular data)
- Retrofit solution means minimum disruption to staff and residents whilst also allowing retention of familiar equipment
- DMP monitors the connectivity status via heartbeats and enables future over the air (OTA) firmware upgrades
- Compatible with TLS encryption or VPN security solutions (additional equipment may be required)
- Ensures longevity in the investment of your existing system and allows a phased approach to the analogue to digital transition

Specification

Analogue input protocols:
TT New, TT92 and TT21

Digital output protocol:
NOW-IP (BS8521-2:2020)

LED status indication for:
General, Ethernet and Cellular

Connectivity:
- Analogue: Standard telephone socket (431A)
- Ethernet: RJ45 port
- Cellular: 4G modem

Power and battery backup:
Supplied from the Control Unit

Internal antenna

External antenna
Supplied as standard to help boost cellular connectivity

Weight:
192 g

Dimensions:
141mm x 91mm x 40mm (WxLxD)

Standards

EMC:
EN 301 511, EN 301489-1, EN 301489-52,
BS EN50130-4

Radio spectrum:
ETSI TS151.010-1, ETSI TS151.010-2

Environmental:
RoHS Directive (2011/65/ EU),
WEEE Directive (2012/19/EU

Part Numbers

I36600/010-A:
IP Connector, Installation & 12 month Service Bundle

I36600/010-B:
CSL Router including installation

Why Tunstall?

We focus on using the latest digital and mobile technology to enable people to feel safe, secure and independent, giving them the freedom to live the life they choose.

We help you provide…

- **Intelligent, unobtrusive, person centred care.**
- **Personalised, proactive and predictive services to improve quality of life.**
- **Integrated health, housing and social care.**

For more information please visit:
tunstall.co.uk

Tunstall Healthcare (UK) Ltd is a member of the Tunstall Healthcare Integrated group.

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