

# STENTOFON Communications Australia

## Wireless LAN Expansion Board for IP Substation and IP Flush Master Station

### Features

- Utilises the standard IP Station hardware as designed by Zenitel, with Wireless LAN Expansion Board, designed by STENTOFON Communications Australia.
- Mounting kits available for both IP Substation and IP Flush Master Station circuit boards.
- Designed for areas where no existing LAN infrastructure exists, and cabling would prove uneconomical.
- Utilises the Wireless LAN infrastructure put in place in many installations, and is very easy to deploy in areas where WLAN is non-existent.
- Wide selection of Antennas via the SMA connector, allows for fine tuning of the range of WLAN communication, up to 10Km with directional high gain antenna.
- Supports receive diversity for enhanced signal reliability.
- All features of the IP Station are present, including monitoring, high audio quality and easy configuration.
- Supports all major forms of WLAN Security such as WEP, WPA and LEAP.
- Easy installation with automatic access point detection and software that automates the configuration of multiple devices.
- Supports firmware upgrades.

### Description

The Wireless LAN Expansion Board is designed to complement the existing range of IP Substations and IP Flush Master stations allowing STENTOFON AlphaCom equipment to be connected via the Wireless LAN infrastructure.

Useful in areas where cabling is non-existent, poor quality or not cost effective to install, the Wireless LAN Expansion Board can open up possibilities not previously available. Requiring only local power for both the IP Station and the Expansion Board, there are many applications.

Designed to the same footprint as the IP Substation circuitry, this device fits inside the standard European IP Station back box, eliminating the need for additional hardware.

Also available with a fitting kit to suit the IP Flush Master Station, the Wireless LAN Expansion Board is versatile enough to solve most tricky communication issues.

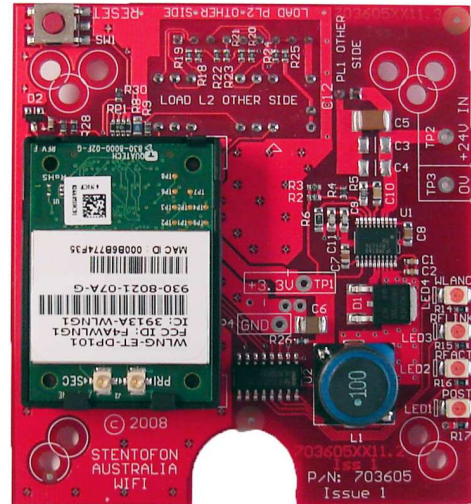
Once configured via a convenient and easy to use software tool, the Expansion Board is all but invisible to the outside world, with accessing the IP Station hardware as simple as opening your web browser.

### Applications

- IP Substations in Lift Cars
- Remote Help Points in Car parks
- Intercom Stations in Clean Room Environments
- Remote Gate Posts
- Fire Stair installations
- Replacing 2 wire Intercom Systems (2 Wire to provide 24VDC)
- Gates and Doors powered by Solar

### Ordering

The Wireless LAN Expansion Board is available from STENTOFON Communications Australia. For pricing and availability, please contact [sales@stentofon.com.au](mailto:sales@stentofon.com.au)



### Specifications

**Dimensions (HxWxD):** 72 x 72 x 30 mm

**Weight:** 0.1 kg

**Mounting:** Via mounting kit supplied for either Substation or Flush Master Station

**Temperature:** -10 to +50°C

**Power:** Local Power (19 - 27VDC)  
Idle 1W, Max 3W

**Connections:** 1 x Ethernet, 1 x Power

**IP Protocols:** IP v4 - TCP - UDP - HTTP - RTP - RTCP - DHCP - DiffServ - TOS - ARP - TFTP

**Wireless Protocols:** IEEE 802.11b/g, WiFi compliant (802.11i, 802.11e, 802.11d capable)

**Network Access:** Ad-Hoc or Infrastructure

**Data Rates:** 802.11b mode: 11, 5.5, 2, 1 Mbps  
802.11g mode: 54, 48, 36, 24, 18, 12, 9Mbps

**Wireless Security:** WEP 64 & 128bit (RC4), WPA (TKIP), 802.1x (LEAP)

**Antenna:** Supplied with SMA type fly lead and connector to external antenna

**Range:** Up to 10Km with suitable antenna

**RF Power:** 85mW Peak, 16mW Avg for 802.11b  
143mW Peak, 32mW Avg for 802.11g

**Installation:** DHCP or Static IP Address  
Remote Automatic Firmware Upgrade