

tConnect T100-IU Indoor Mesh Unit

Ideal solution for open indoor spaces



7dBi 90° indoor wall mounted panel antenna



10dBi 110° Meshbox mounted panel antenna

- **Versatile 802.11a/b/g radio card**
- **Weather-proof NEMA-67 rated die-cast aluminium enclosures to resistance any dust and grime from factory locations**
- **266Mhz National Geode SC1100 CPU with 64MB SDRAM and passive Power over Ethernet (PoE)**
- **Captive portal with RADIUS authentication**
- **Remote management via a web browser using a customized linux OS**
- **A range of high-gain Directional Patch Antennas depending**

The Expansive Networks tConnect T100-IU Indoor Mesh Unit adds intelligence to a WiFi network to enable deployments that were previously difficult or impossible within an indoor location. . The result: broader coverage, minimal installation and cabling costs, and rapid deployments.

The design is well suited for Warehouses, Factories and large Conference Centres, with a die-cast aluminium NEMA67 rated enclosure and a corner antenna mount for greater coverage. The T100-IU receives power via cost-effective Power over Ethernet (PoE) and therefore can be deployed anywhere up to 100 metres from a power source using standard cat5 ethernet cable. Each Meshbox provides wireless connectivity to standard 802.11a/b/g clients and extends the coverage area of the WiFi network.

The tConnect T100-IU provides up to 128-bit WEP encryption and supports the IEEE 802.1x port-based network access control with RADIUS servers for user authentication. It has MAC address-based access control and many other features for stronger security. The tConnect T100-IU can be managed with its web-based user interface and SSH.

The Indoor Unit is used within a Mesh system and communicates with other Meshboxes with only one wired connection to the Internet.

Technical Specifications

PHYSICAL SPECIFICATIONS

Dimensions
6.25 x 8.50 x 2.25 in
(15.9 x 21.6 x 5.7 cm)

Weight
4.40 lbs (2.0 kg)

ENVIRONMENT SPECIFICATIONS

Operating Temperature
-40 C to + 60 C
(-40F to 150F)

Humidity
Up to 100% water-tight enclosure

HARDWARE SPECIFICATIONS

CPU
MIPS 4000 KC
220 MHz

Memory
RAM 16 MB (Upgradeable)
Flash 4 MB (Upgradeable)

RF PERFORMANCE

Output Power
400 mW high power (26dBm) 2.4GHz
400 mW high power (26dBm) 5.8GHz

Antennas
2.4 GHz Panel Antenna

RX Sensitivity
-98dBm / 1Mbps @2.4GHz
-93dBm / 6Mbps @5.8GHz

POWER SUPPLY

Type
Integrated hi-efficiency 802.3af Power over Ethernet

Expansive Networks Indoor Wireless Mesh Solution

