



## Providing a Complete Solution for Community Wide Networking

### Instant Ethernet

- Creates an indoor and outdoor community wide network without the need to run cable
- Delivers instant Ethernet networking at speeds up to 54Mbps Scalable over large areas using mesh technology
- Quick and cost-effective deployment, indoors or out
- Secure traffic using AES encryption and certificate-based authentication

Expansive Networks Community wide mesh network enables network managers to rapidly scale existing wired networks inside and between buildings, or create new networks where fixed cabling does not exist. The tConnect series provides room-to-room, and floor-to-floor wireless Ethernet without the need to drill holes through walls, or run cable through roof space. Simply position and power up the tConnect, plug in any Ethernet device such as a computer, printer or network camera with minimal configuration the devices are on the network.

The tConnect also provides building-to-building communication, without the need to trench expensive cable. Thanks to innovative mesh technology, buildings can be added to the network without the need for line-of-sight back to the network gateway. Unlike point-to-point or point-to-multipoint networks, mesh traffic can pass through neighbouring nodes when physical obstructions such as other buildings, water towers, or trees make direct connection impossible. With Expansives mesh solution, expanding

a network is a snap; temporary or mobile structures can join the network at a moment's notice, at minimal cost.

### Mesh Benefits

- Creates a ubiquitous Wi-Fi coverage area, or 'hotzone' around an entire campus
- Offers 802.11a/b/g wireless intranet and Internet access at speeds up to 54Mbps
- Dual radio design enables 802.11b/g and 802.11a traffic to be separated
- Delivers outdoor, mobile network access wherever it's needed
- Built-in access points use wireless mesh backhaul without the need for fixed cabling

