

# HD Mesh™

Hi-Density Broadband Networks by Trango

Security & Surveillance

Wireless Internet Service

First Responder/Public Safety

Enterprise

Schools & Universities

Public Internet/WiFi Hotspots



Wireless Subscribers

WISP Subscribers  
Up to 13 miles

WISP

Backhaul Link  
Up to 40 miles

Wireless Subscribers

Port / Airport  
Security / Surveillance

4.9 GHz

4.9 GHz

4.9 GHz

4.9 GHz

Backhaul

Wireless Internet  
Access for Subscribers

Backhaul

Municipalities /  
Homeland Security /  
First Responders

Convention Center  
WiFi Hotspots

4.9 GHz

4.9 GHz

4.9 GHz

4.9 GHz

# HD Mesh™

Hi-Density Broadband Networks by Trango

## Trango introduces HD Mesh™, our new high-density metro-scale network backbone.

Our new HD Mesh™ system provides a redundant, fail-safe backbone ring for improved reliability and broadband speeds that traditional mesh platforms cannot match. HD Mesh is designed for metro-scale deployments and will support a multitude of frequency bands, working seamlessly with Trango's extensive portfolio of broadband radios for hi-speed wireless Internet access and WiFi/hotspot capability. When combined with our new 4.9 GHz radios, HD Mesh™ provides a robust network foundation for municipalities, first responders and security applications.

### Features

#### Self-healing hi-speed backbone ring

- » Up to 45 Mbps
- » Multiple frequency options (4.9, 5.3, 5.4, 5.8 GHz)

#### Flexible cell design

- » 6 Ethernet port Connections for cameras, WiMAX and proprietary APs etc.
- » 802.11g capability

#### Robust and proven technology

- » Easy to install & maintain
- » Made in the U.S.A. in Trango's State of the art factory
- » Highly secure
- » Industrial temperature range

#### Connections

- » 3 PoE ports for backhaul radios
- » Up to 6 additional Ethernet ports
- » 110-240 VAC input power

#### Radios

- » Two 45 Mbps backhaul radios with 19 dBi integrated antennas
- » Two optional WiFi (802.11g) APs with 8 dBi omni antennas (shown)

#### Layer 2 and Layer 3 technology

- » NAT, DHCP, PPPoE, Routing and much more
- » Proprietary 128 bit encryption
- » ARQ
- » QoS, VLAN and SNMP support

### Applications

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Wireless Connectivity **IS** Our Business

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