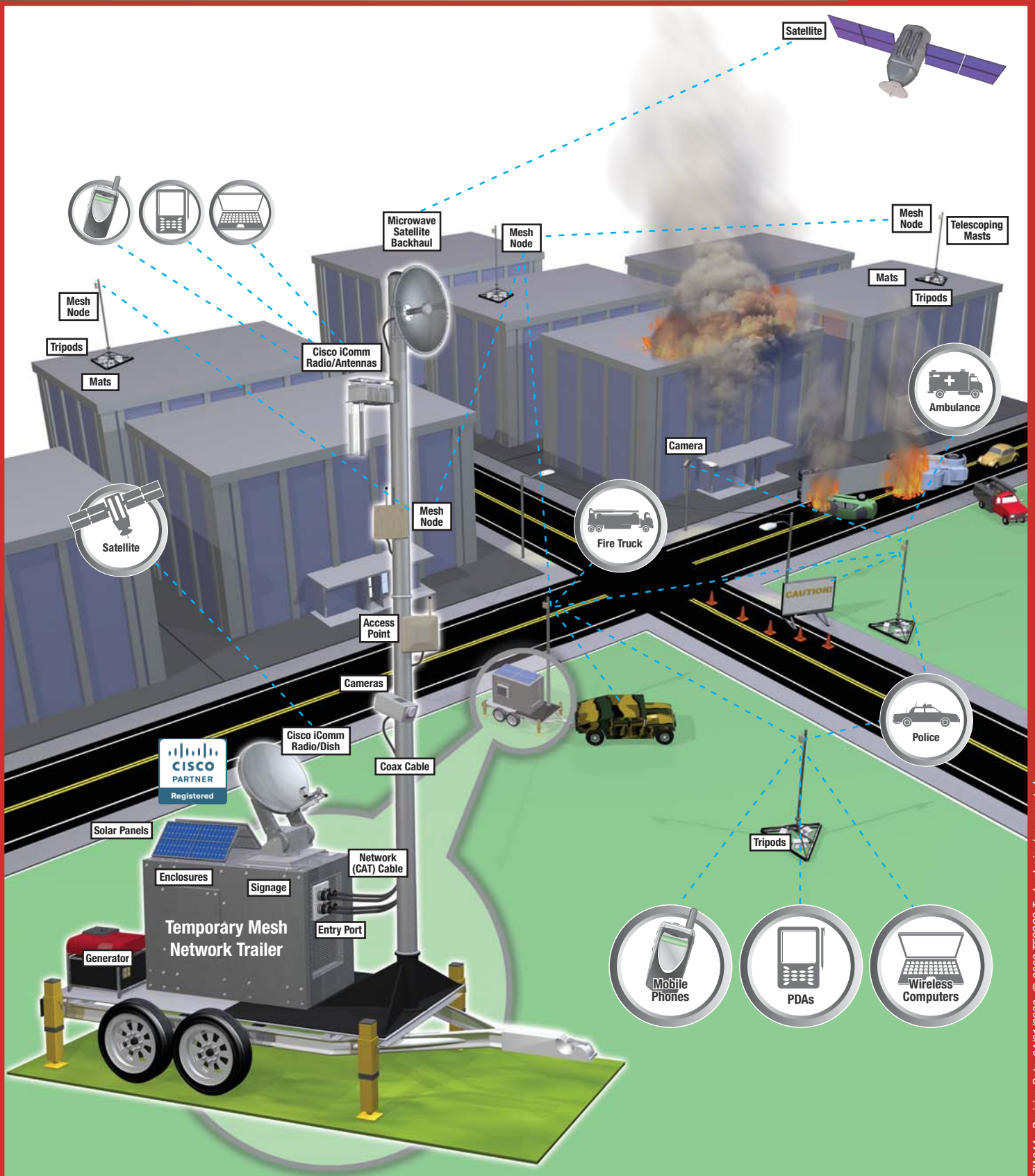


*Illustrated Applications from TESSCO*



ZH044 - Revision Date 04/01/2008 © 2008 TESSCO Technologies Incorporated

# Mesh Networks—Disaster Recovery

## MARKETS

Education, enterprise, government, healthcare, hospitality, public safety, utilities

## USES

- Disaster recovery
- Interim solution for delayed fiber or leased line connectivity
- Network connectivity for events
- Public safety

## FEATURES

- Speeds ranging from 2 Mbps to 1.25 Gbps
- Distances ranging from a few meters to 90 miles
- Integrated and/or external antennas
- Licensed spectrum from 4.9 GHz to 23 GHz
- Unlicensed spectrum of 900 MHz, 2.4 GHz, 5.3 GHz, 5.8 GHz, 24 GHz and 60 GHz
- Line-of-sight (LOS), Near Line-of-sight (NLOS) and Non-Line-of-sight (N-LOS) paths
- RF radios, free space optics and millimeter wave
- Satellite backhaul for connectivity anywhere

## BENEFITS

- Quick deployment time
- Portability
- Scalability
- Versatile network connections
- Carrier-grade reliability
- Economical
- Data and voice connectivity anywhere via TESSCO's satellite uplink solution

## INFORMATION NEEDED

- Link distances
- Bandwidth requirements
- Path characteristics (LOS, NLOS or N-LOS)
- Security requirements
- Reliability requirements
- Antenna placement
- Environmental characteristics

## CRITICAL CONCERNS

- Grounding and lightning protection
- Network interface requirements
- Fresnel Zone clearance

## OTHER EQUIPMENT OPTIONS

- Cable and connectors
- Grounding and lightning arrestors
- Antennas
- Mounting hardware
- Cameras
- Enclosures
- Power solutions
- Test equipment
- Tools
- Network routers and switches
- Additional Cisco hardware available upon request