

ELAN

Technologies

Inc.



Kangaroo Dual Mesh Networks and Point to Multi-Point Industrial WiMAX Technology

WiMAX



Mesh Frequency Options:

- ELAN MESH Networks
- ELAN Kangaroo Dual Mesh Radio Frequency Options (GHz): 3.65 / 2.4, 3.65 / 4.9, 3.65 / 5.8, 3.65 / 900, 3.65 / 3.65
- Kangaroo Quad Box Point to Multipoint Licensed WiMAX Base Station
- Includes four 3.65 GHz 802.16d-2004 radios for over 200 Megabit data throughput.

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System Capabilities

ELAN Technologies introduces new licensed wireless equipment that operates in the 3.65 to 3.70 GHz range. The system has two modes of operation. WiMAX mode operation allows the system to operate as an industrial WiMAX 802.16d-2004 point to multipoint base station for Fixed Wireless Metropolitan Area Networks.

Mesh mode operation is implemented by simple software configuration allowing operation as an 802.11Y mesh network radio system, providing a high powered, 25 watt, licensed mesh network solution.

Base stations can be organized in a quad configuration, allowing over 200 Megabit of bandwidth for backhaul. Simply configure the last radio in the mesh as an 802.16-2004 remote radio and the entire mesh can be backhauled thru the WiMAX base station. Truly mix and match configurations to route around obstacles, backhaul mesh clusters used for video surveillance, AMR, SCADA, VOIP, Wi-Fi HotZones and other customer data applications including mobile data, vehicle location, weather stations, water quality monitoring networks, flood warning and flow control. The Kangaroo Dual Mesh System is the ideal solution for elimination of leased line circuits while simultaneously leveraging multiple applications over one industrial wireless network. System is certified for use in ELAN Technologies Urban Network Solutions.

Outdoor packaging includes hardened NEMA cast aluminum enclosures, explosion proof enclosures utilizing antennas for hazardous locations; antennas are optimized for mesh and point to multipoint configurations, class 1 div1 hazardous solution. Combine with manhole antenna cover system for real-time video surveillance and SCADA backhaul at underground structures and utilities, class-1 div-1 rated.

ELAN Mesh Application Solutions:

- OnSSI - Customer Owned Enterprise IP Video Surveillance Software that can integrate with IP Access Control software as well as ELAN Enterprise Automation Software.
- ELAN Secure Video - Hosted Video Storage and Security Management for web based access of stored video and surveillance alarm management.
- ELAN Enterprise Automation Software - 64bit automation software for integrating SCADA and direct integration with OnSSI IP Video Surveillance to bring true functionality of video management integrated with enterprise automation software, an industry first.

