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ELAN Technologies is a multifaceted design engineering and manufacturing company providing state-of-the-art technology solutions for municipal, government, and investor owned utilities.

The ELAN philosophy of one industrial wireless network leverages available infrastructure for industrial communication with remote assets. ELAN provides industrial grade wireless technologies including WiMAX 802.16d, 802.16e, ELAN-MESH 802.11 (a,b,g,n), point to point microwave backhaul and narrow band industrial wireless for distribution automation and AMI.

ELAN is a participating member company of SGIP for wireless communications. ELAN is a valued contributor for the advancement of Smart Grid interoperability, and specifically testing and certification for all ELAN Smart Grid systems.



Innovative solutions to the most difficult monitoring and control requirements



Description

The ELAN-MW6™ is a full featured microwave radio for the global telecommunications market. It consists of a Software Defined Indoor Unit (SDIDU) and Outdoor Unit (ODU). The ELAN-MW6™ radios include a state-of-the-art single chip modem ASIC, allowing a highly integrated IDU with flexible modulation for spectral efficiency and powerful Forward-Error-Correcting schemes. The ELAN-MW6™ is designed to support flexible payload types and data rates, as well as payload switching, in 1+0 unprotected, 2+0 east/west, and 1+1 protected configurations.

Advanced capabilities: The Software Defined IDU includes an integrated Crosspoint Switch that allows a total of 160 E1s (200 T1s) to be mapped from and to any of three different ports: East Modem (maximum 64E1/84T1),

West Modem (maximum 64E1/84T1), and Local Front Panel (maximum 32E1/32T1). The Crosspoint Switch gives systems integrators and network designers flexibility in designing ring and linear point-to-point-to-point architecture networks.

Key Features

- Compact, Split Mount Architecture
- Scalable and Spectrally Efficient
- Flexible and Integrated Management
- Aggregate Rate to 310 Mbps
- Adaptive Power Control

Applications

- Network Option Cards for Easy Upgrade and Expansion
- Easily Deployed and Activated
- Ring Architecture Minimizes Interruptions
- Minimizes CAPEX

Benefits

- WiMAX and Cellular Backhaul
- Trunking Networks
- Last mile access
- Extension ring, linear and mesh