

ELAN-IP900

ETHERNET BRIDGE & SERIAL GATEWAY

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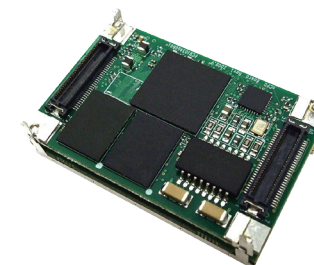
ELAN Technologies is a multifaceted design engineering and manufacturing company providing state-of-the-art technology solutions for municipal, government, and investor owned utilities.

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-IP900 Series adds Ethernet capability to the miniature, yet powerful IP900 platform. This incredibly small Ethernet Bridge and Serial Gateway provides robust wireless communication of simultaneous serial data and IP/Ethernet packets to extend serial data and IP networks.

The IP900 platform is the smallest form factor (2" x 1.25" x .5", weighing only 25 grams) available which offers a full Ethernet/Serial/USB bridge and routing functionality. The Nano IP OEM module can be directly integrated into OEM systems or applications using a variety of interface options. With the LAN out interface ready to wire directly to CAT5 cable OEMs can integrate this unit quickly and efficiently. The Nano IP Series also features flexible maintenance utilities, secure firewall features and network management facilities. Robust Frequency Hopping with excellent receiver sensitivity and interference rejection allow for long range, high speed communications.

Key Features

- Low Power Consumption
- Up to 1.2 Mbps Wireless Link Rate (faster rates available)
- Master, Slave, Repeater in a single unit
- HV Option provides a quick wiring solution with Ethernet, Serial Levels and Power (7-30 VDC)
- 2 Serial Com Ports, 1 USB Port, and 1 Ethernet Port
- Point-to-Point, Point-to-Multipoint, Repeater, Peer-to-Peer

Applications

- IP/Ethernet Wireless Extension
- Legacy Networks/Devices Migration
- Video/Voice over IP SCADA (PLCs, DNP, Modbus / DF1)
- Adjustable transmit power (100mW - 1W)
- Radius Server and Full VLAN Support
- User interface through local console, telnet, and web
- Network management capability with SNMP V1, V2, V3
- Local and remote wireless firmware upgrading through FTP