MGE41/84/88/168F

L2/L3 Managed Ethernet Switch with 16 x FE and 8 x E1 media converters

- **Compliant with IEEE802.3, IEEE802.3u standards**

- **Up to16 10/100 Mbit/s Auto-Negotiation RJ45 ports supporting Auto-MDI/MDX**

- **Up to 8xE1 2048 kbit/s ITU-T G.703 ports with EoE1 media converters, HDCL encapsulation**

- **Port-Based VLAN and IEEE 802.1Q tag VLAN**

- **Static MAC address and filtering MAC address management**

- **Static Port Priority and IEEE 802.1p Class of Service (CoS) with 4-level priority queuing**

- **Firmware upgrade, gold configuration backed up and restored**

- **Rack/Desktop - mountable case options**

- **Management through Embedded Web Server (EWS) which can be accessed via WEB browser**

- **GARP VLAN Registration Protocol (GVRP)**

- **Storm control, broadcast and multicast flooding**

- **Per port ingress and egress rate control**

- **STP, RSTP, MSTP**

- **Trunking, Link Aggregation Group (LAG)**

- **Test facilities, Virtual cable tester and PRBS BIST**

- **Internal power supply, -48 Vdc or 220 Vac option**

Power LED   8 x Fast Ethernet   IP reset   E1 LED   8 x E1

Power LED   16 x Fast Ethernet   IP reset   E1 LED   8 x E1

IRITEL
bright connections

Description

IRITEL MGExxxF series of High performance Managed Ethernet Switching devices besides of the true Ethernet access, offers versatile combination of user interfaces integrated together with media converters, thus reducing the need for external media converters.

Application

MGExxxF devices provides edge connectivity utilizing existing E1 and coper infrastructure, applicable in midsized and large scaled campus, corporate and metro access networks, MGExxxF series especially tailored to provide connectivity and LAN extensions between numerus remote sites

Management

Management can be performed through an embedded Web Server (EWS) by using standard internet browser. The well known WEB interfaces significantly reduce learning time and minimize the cost of deployment.

For the Centralized Network Management we offer embedded SNMPv1//2/3 agent.

Available options

- MGE41F
  4 x Fast Ethernet, electrical interface
  1 x E1, 2048 kbit/s G.703 interfaces
- MGE84F
  8 x Fast Ethernet, electrical interface
  4 x E1, 2048 kbit/s G.703 interfaces expandable with additional 4 x E1
- MGE88F
  8 x Fast Ethernet, electrical interface
  8 x E1, 2048 kbit/s G.703 interfaces
- MGE168F
  16 x Fast Ethernet, electrical interface
  8 x E1, 2048 kbit/s G.703 interfaces

TECHNICAL DATA

Performance

Wire speed switching on all Ethernet and E1 ports
Store and forward mode
Non blocking switch fabric
Port speed:
10/100-TX RJ-45
E1 2048 kbit/s RJ-45
Internal power supply

Interface Standards

802.3 10Base-T & 10Base-FL
802.3u 100Base-TX
E1 ITU-T G.703, HDLC encapsulation

General Standards

802.1d Bridging
802.3x Backpressure/ Flow Control

Redundancy Standards

802.1D Spanning Tree Protocol
802.1W Rapid Spanning Tree
802.1s Multiple Spanning Tree
Link Aggregation, Static port trunk

VLANs

IEEE 802.1Q VLAN Tagging
Port-based VLANs
MAC-based VLANs
GARP VLAN Registration Protocol (GVRP)

Management and Monitoring

WEB
RFC 1157 SNMPv1/v2c
RFC 2570 SNMPv3
RFC1213 MIB-II
RFC1493 Bridge MIB
RFC 2863 Interfaces group MIB
RFC 1643 Ethernet like MIB
Stats, History, Alarms, Events
RFC 2674 802.1Q MIB
IP address allocation

Security

Management Security: user name and password protection

Fault Protection

Broadcast Storm Control
Ingress egress rate control

Quality of Services (QoS)

QoS in layer 2
Traffic prioritization using 802.1p

System Configuration

W x D x H 440mm x 257mm x 43.2mm
(17.32" x 10.11" x 1.70")
Weight 3.15kg (6.94lb)
Mounting 19" rack-mountable hardware included

Power supply

Internal – 48 Vdc, or 220 Vac option

Operating temperature range

– 5^0 C up to +45^0 C, (class 3.2)