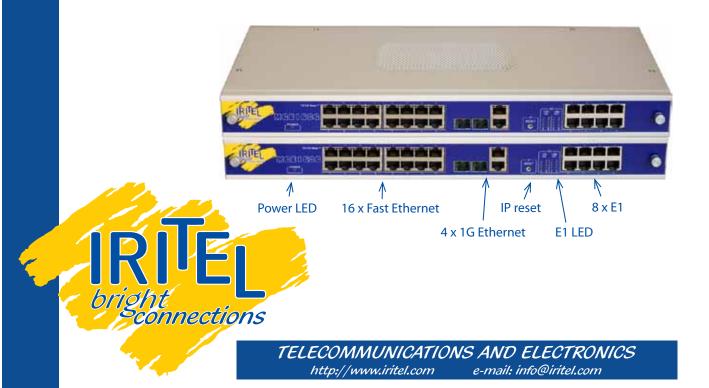
# MGE88/168G



# Stackable Gigabit L2/L3 Managed Ethernet Switch with 16xFE, 4xGE and 8xE1 media converters

- Up to 4 10/100/1000 Mbit/s Auto-Negotiation RJ45 ports supporting Auto-MDI/MDX, 1 G SFP optional
- Up to 16 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
- Stacked devices are fully manageable and behaves as a single device
- 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
- Internal power supply, -48 Vdc or 220 Vac option



# MGE88/168G Stackable Gigabit L2/L3 Managed Ethernet Switch

#### Description

IRITEL MGExxxG series of High performance Managed Ethernet Switching devices besides of the true Ethernet access MGExxxG offers versatile combination of user interfaces integrated together with media converters thus reducing the need for external media converters. Stacked switches behaves as larger switch managed as a single device.

## **Application**

MGExxxF devices provides edge connectivity utilizing existing E1 and coper infrastructure, applicable in midsized and large scaled campus, corporate and metro access networks, MGxxxG is especially tailored to provide connectivity and LAN extensions between numerus remote sites. MGxxxG devices are scalable and they are ideal for extending port count in order to fulfil network growing requirements.

#### **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**

MGE88G

8 x Fast Ethernet, electrical interface

8 x E1, 2048 kbit/s G.703 interfaces

2 x 1G Electrical interfaces

2 x 1G Optical (SFP) interfaces

MGE168G

16 x Fast Ethernet, electrical interface

8 x E1, 2048 kbit/s G.703 interfaces

2 x 1G Electrical interfaces

2 x 1G Optical (SFP) 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**

WFR

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**

 $-5^{\circ}$  C up to  $+45^{\circ}$  C, (class 3.2)



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