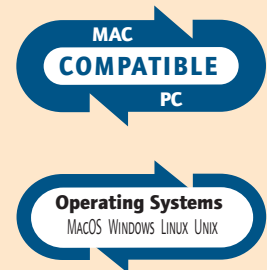


TigerSwitch 10/100™ SMC6948L2

Data Sheet



Layer2 Switch with Gigabit Uplinks

The TigerSwitch 10/100 gives your network all the power and speed it needs. This new 48 10/100 port managed model doubles the capacity of previous versions, and features two expansion slots that can be used for Gigabit or 100Mbps Fibre SC/ST devices as your networking needs increase. The switch offers a full range of advanced features.

These include: QoS, VLAN support, MultiLink Trunking and Broadcast Storm Control, they provide optimal performance while maintaining security and reducing network problems. Spanning Tree support and optional Redundant Power provide network flexibility and serve to lower the cost of ownership. SNMP, RMON and a full-featured Web-based interface enable the user to monitor network performance and status.

All SMC products are backed by a limited lifetime warranty.

Features and Benefits

High Performance and Functionality

- Base unit has 48 10/100Mbps Fast Ethernet ports
- Optional Gigabit and Fast Ethernet Fibre modules provide high-performance backbone channel
- Up to 4 port trunks per switch; each combines up to 4 ports into a full-duplex fat pipe
- Auto-negotiation for speed and duplex mode selection
- Supports Spanning Tree protocol for more reliable network communications
- Broadcast storm control allows a user-defined threshold to limit broadcast traffic

Flexible System Management

- Port-based IEEE 802.1Q VLANs to simplify network planning and management
- Flexible management tools include SNMP/RMON, Web agents, Telnet, and out-of-band console connection
- Port-mirroring allows monitoring of traffic crossing any port in real time
- QoS expedites critical data via prioritising and filtering
- IGMP Snooping reduces multicast traffic for maximum performance
- VLAN Support provides port or MAC address based VLANs and GVRP for auto-registration
- Free Windows-based EliteView network management software

Compatibility

- IEEE 802.3, 802.3u, 802.3z, 802.3ab, 802.1D, 802.3x, 802.1p, and 802.1Q

Product	Model No.	Description
TigerSwitch	SMC6948L2	TigerSwitch 10/100 48-port Fast Ethernet Switch with 2 expansion slots.
	SMC6900G	Optional Slide-in module with single 1000BASE-SX port with SC connection
	SMC6900T	Optional Slide-in module with single 1000BASE-T port (RJ-45)
	SMC6900GLSC	Optional Slide-in module with single 1000BASE-LX port (SC)
	SMC6900FSC	Optional Slider-in module with two 100BASE-FX ports (SC)
	SMC6900FST	1 SMC6900FSC + 2 SC/ST converters
	SMCRPU150W	Redundant Power Supply



TigerSwitch 10/100™ SMC6948L2

Specifications



Physical Characteristics

Ports

- 48 10BASE-T/100BASE-TX RJ-45 Ports with 2 slots for expansion modules

Slide in Modules

- Module with two 100BASE-FX uplink ports
- Module with one 1000BASE-SX uplink port
- Module with one 1000BASE-LX uplink port
- Module with one 1000BASE-T uplink port

Aggregate Bandwidth

- 13.6Gbps

Switching mode

- Store & Forward
- Fast Forwarding

MAC Address Table

- 12k entries

Memory Buffer

- 128Kbytes per 10/100Mbps port; 2Mbytes per 1000Mbps port

Power

- 90 Watts maximum consumption
- Optional redundant power supply (SMCRPU150W)

Size

- 17.37 x 13.38 x 3.46 in.
- 44.0 x 35.3 x 8.8 cm

Weight

- 13.23lbs • 6kg

Temperature

- Operating: 32°-122°F (0°-50°C)
- Storage: -40° - 158°F (- 40° - 70°C)

Humidity

- 5% to 95% (non-condensing)

AC Input

- 100 V (0.80A) to 240 V (0.50A), 50 to 60Hz

Heat Dissipation

- 358 BTU/Hr maximum

Built-in Network Management

System Configuration

- Console port, SLIP, Telnet, Web browser, EliteView, SNMP/RMON NMS
- Free of charge Management Software Eliteview is downloadable from our web site

Management Agent

- SNMP Support: MIB II, Bridge MIB, Ethernet MIB, RMON MIB, Accton proprietary MIB

RMON

- 4 Groups: 1, 2, 3, 9 (Statistics, History, Alarm, Event)

Spanning Tree Algorithm

- IEEE 802.1D supports redundant network paths

VLANs

- IEEE 802.1Q or Port-based VLAN up to 256 groups, with GVRP for dynamic VLAN

Registration IGMP Multicast Filtering

- Passive snooping on IGMP Query/Report messages; active query for group members

Link Aggregation

- Up to 4 trunks; 2-4 ports per trunk

Port Mirroring

- Mirror port traffic from any port for easy troubleshooting

Traffic Prioritization

- IEEE802.1p - QoS: Supports 2 levels of priority and Weighted Fair Queuing

Standards Conformance

Certification

- CE Mark: EN55022 class A, EN60555-2 class A, EN60555-3

Emissions

- FCC Class A, VCCI Class A, CISPR 22 Class A, AZ/NZS 3548 Class A
- CSA/NRTL (C.22.2.950, UL1950), TUV/GS (EN60950)

Safety

- CSA/NRTL (CSA22.2.950 & UL 1950), EN60950 (TUV/GS)

Immunity

- IEC 1000 - 4 - 2/3//4/6

IEEE Networking Standards

- IEEE 802.3 (Ethernet)
- IEEE 802.3u (Fast Ethernet)
- IEEE 802.3z (Gigabit Ethernet)
- IEEE 802.3x (Full-Duplex, Flow Control)

Network Interfaces

- 10BASE-T - RJ-45 UTP Cat.3,4,5
- 100BASE-TX - RJ-45 UTP Cat.5
- 100BASE-FX - SC & ST Connectors, 62.5/125µ or 50/125µ mutlimode fibre cable
- 1000BASE-SX - SC Connector, 62.5/125µ or 50/125µ mutlimode fibre cable
- 1000BASE-T - RJ-45, UTP Cat. 5E
- 1000BASE-LX - SC connector, from 8/125µ to 10/125µ single mode fibre cable

www.smc.com

SMC Networks Europe Head Office

Edificio Conata II
Fructuós Gelabert 6-8 2^o, 4^a
08970 - Sant Joan Despí
Barcelona
Spain
Telephone
+34 93 477 4920
Facsimile
+34 93 477 3774

SMC Networks Spain

Calle Josefa Valcarcel, 8
28027 - Madrid
Spain
Telephone
+34 91 320 2884
Facsimile
+34 91 320 8438

SMC Networks Northern Europe

Ground Floor, Exa House
Alexandra Court
Denmark Street
Wokingham
Berkshire, RG40 2SL
United Kingdom
Telephone
+44 (0)118 974 8700
Facsimile
+44 (0)118 974 8701

SMC Networks Nordic

Vallingbyplan 26, 2 tr
SE-162 65 Vallingby
Sweden
Telephone
+46 (0) 8 687 0700
Facsimile
+46 (0) 8 87 62 62

SMC Networks South Africa

Zonneblom Building
16th Road
Constantia Square
Midrand
South Africa
Telephone
+27 (0) 83 292 40 43
Facsimile
+27 (0) 11 805 80 60

SMC Networks Southern Europe

2 - 8 rue des Bourets
92150 Suresnes
France
Telephone
+33 (0) 1 41 38 32 32
Facsimile
+33 (0) 1 41 38 01 58

SMC Networks Central Europe

Freischützstr. 81
D-81927 Munich
Germany
Telephone
+49 (0) 89 92861-0
Facsimile
+49 (0) 89 92861-230