

managed switch

# SM8T2DPA

## (6) 10/100/1000BASE-T + (2) Dual Speed SFP/RJ-45 Combo Ports

The Transition Networks SM8T2DPA is an 8-port Gigabit Managed switch featuring 8 10/100/1000Base-T ports, 2 of which are SFP/RJ-45 Combo ports. This switch provides high performance switching and offers support for Gigabit or Fast Ethernet fiber links utilizing the dual speed SFP ports.

### Features

#### System Interface/Performance

- ▶ 8 10/100/1000 Copper Ports
- ▶ 2 of which are 10/100/1000Base-T / SFP Combo ports
- ▶ RJ-45 port support Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Jumbo Frame Size up to 9K

#### VLAN

- ▶ Port Based VLAN
- ▶ IEEE 802.1Q VLANs. Up to 4094 entries
- ▶ GVRP
- ▶ Q-in-Q Double Tag VLAN

#### Port Trunk with LACP

#### Support LLDP (Link Layer Discovery Protocol)

#### Access Control List (ACL)

The ACLs are based on Ethernet Type / ARP / IPv4 / MAC / VLAN

#### Virtual Stacking Management

#### QoS (Quality of Service)

- ▶ Support IEEE 802.1p Class of Service
- ▶ Support QoS (QCL/QCE) for traffic control
- ▶ Per port provides 4 priority queues
- ▶ Port Base, Tag Base and Type of Service Priority

#### Security

- ▶ Login Security: IEEE802.1X
- ▶ IP-MAC-PORT binding for security
- ▶ TACACS+
- ▶ SSH/SSL

#### Spanning Tree

- ▶ Support IEEE802.1d Spanning Tree
- ▶ Support IEEE802.1w Rapid Spanning Tree
- ▶ Support IEEE802.1s Multiple Spanning Tree

#### IGMP Snooping V1, V2, V3 and IGMP Proxy

#### Multicast VLAN Registration for IPTV

#### DHCP Snooping (Including DHCP option 82)

#### Management

- ▶ Web Management
- ▶ SNMP v1, V2c, V3
- ▶ Telnet/CLI

#### Firmware and Configuration

- ▶ Firmware upgrade through Web GUI
- ▶ System Configure Restore and Backup through Web GUI

#### IPv6

- ▶ IPv4/IPv6 Dual stack
- ▶ IPv6 NTP/Syslog/DHCP/ICMPV6
- ▶ IPv6 SNMP/HTTP/Telnet/SSH/802.1x/TACACS+/ACL



### Specifications

|                        |                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards              | IEEE 802.3 10Base-T;<br>IEEE 802.3u 100Base-TX;<br>IEEE 802.3ab 1000Base-T;<br>IEEE 802.3z Gigabit Fiber;<br>IEEE 802.3x Flow Control and Back pressure;<br>IEEE 802.1s Multiple Spanning Tree;<br>IEEE 802.1w Rapid Spanning Tree;<br>IEEE 802.3ad Port trunk with LACP;<br>IEEE 802.1p Class of Service;<br>IEEE 802.1x User Authentication;<br>IEEE 802.1Q VLAN Tagging |
| Protocols              | CSMA/CD                                                                                                                                                                                                                                                                                                                                                                    |
| Technology             | Store and Forward switching architecture                                                                                                                                                                                                                                                                                                                                   |
| Connectors             | <b>RJ-45 port:</b> 6 x 10/100/1000Base-T<br><b>Combo Port:</b> 2 x 10/100/1000Base-T with 2 100/1000 SFP<br><b>RJ-45 Console port</b>                                                                                                                                                                                                                                      |
| MAC Address            | 8K MAC address table                                                                                                                                                                                                                                                                                                                                                       |
| Memory Buffer          | 816 Kbytes embedded                                                                                                                                                                                                                                                                                                                                                        |
| Jumbo packet           | Support 9 Kbytes Jumbo Frame                                                                                                                                                                                                                                                                                                                                               |
| Network Cable          | <b>10BASE-T:</b> 2-pair UTP/STP Cat. 3, 4, 5 cable;<br>EIA/TIA-568 100-ohm (100 m)<br><b>100BASE-TX:</b> 2-pair UTP/STP Cat. 5 cable;<br>EIA/TIA-568 100-ohm (100 m);<br><b>Gigabit Copper:</b> 4 pair UTP/STP CAT. 5 cable<br>EIA/TIA 568 100-ohm (100M)                                                                                                                  |
| Backplane              | 16Gbps                                                                                                                                                                                                                                                                                                                                                                     |
| LEDs                   | <b>Per SFP port:</b> Link/Activity<br><b>Per Combo port:</b> Link/Activity<br><b>Per unit:</b> Power                                                                                                                                                                                                                                                                       |
| Power Supply           | Internal power AC 100~240V / 50~60Hz                                                                                                                                                                                                                                                                                                                                       |
| Power Consumption (DC) | 17 Watts                                                                                                                                                                                                                                                                                                                                                                   |
| Operation Temperature  | 0° to 40°C (32° to 113°F)                                                                                                                                                                                                                                                                                                                                                  |
| Operation Humidity     | 5% to 90% (non-condensing)                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions             | <b>Width:</b> 11.02" [280 mm]<br><b>Depth:</b> 6.53" [166 mm]<br><b>Height:</b> 1.73" [44 mm]                                                                                                                                                                                                                                                                              |
| EMI                    | FCC Class A, CE Mark                                                                                                                                                                                                                                                                                                                                                       |
| Safety Compliance      | UL, cUL                                                                                                                                                                                                                                                                                                                                                                    |
| Warranty               | Lifetime                                                                                                                                                                                                                                                                                                                                                                   |

### Ordering Information

#### SM8T2DPA

8-port 10/100/1000 RJ-45 Managed Switch with (2) dual speed SFP/RJ-45 Combo ports

#### Optional Accessories (sold separately)

##### SFP Modules

##### Mounting Brackets

#### RMSM8-01

19" Rack Mount Bracket