

## ETHERNET SWITCHES

The 065-7428 is a high performance managed SNMP Layer 3 switch that provides users with 24 x 10/100Mbps Ethernet and 4 Gigabit Combo ports. The Web/SNMP management provides remote control capability that gives flexible network management and monitoring options. Whether managed through „in-band“ SNMP management station, internet web browser, or through „out-of-band“ RS-232 console port, the 065-7428 facilitates network operational control and diagnosis.

For increased bandwidth application, 065-7428 can accommodate up to 32 trunk groups with LACP link aggregation. Moreover, these trunk ports are with fair-over function to provide redundant back up if one or more of ports are malfunctioning. It also supports both 802.1Q VLAN and GVRP VLAN Registration thereby simplifying network traffic segmentation, broadcast domain extension and other associated benefits of constructing VLANs. The abundance of features translates into increased efficiency and performance in network administration.

# 24-port 10/100 + 4G Combo Managed L3 Switch

## MAIN FEATURES

- **Standards**  
IEEE: 802.3, 802.3u, 802.3z, 802.3x, 802.3ad, 802.1d, 802.1w, 802.1s, 802.1q, 802.1p
- **Interface**  
Twenty four 10/100Base-TX RJ-45 ports  
Four Gigabit SFP/RJ-45, RS-232 Console (RJ-45)
- **Networking**  
Spanning Tree Protocol / Rapid Spanning Tree Protocol / Multiple Spanning Tree  
Automatic learning of up to 16K MAC addresses  
DHCP Relay  
IGMP Snooping for multicast filtering  
Ingress/Egress Rate limitation  
Access Control List L2/L3/L4/L7  
8 Priority Queues  
Full VLAN (802.1q) with double tagging (Q in Q)  
LACP Link Aggregation  
GVRP VLAN Registration Protocol
- **Routing**  
Static route, RIPv1/v2, OSPF, DVMRP, PIM-DM, VRRP
- **Management**  
Web-based GUI, SNMP, RMON, Telnet/Console, Command Line, , IEEE 802.1x Network Access Control, Port configuration, status, statistics, security, Loss of link management on fiber ports, Port mirroring
- **Power**  
100-240VAC auto-ranging power input  
-48VDC power option available  
Redundant power option available
- **Mechanical & Environmental**  
Desktop and rack-mountable unit  
Operating temperature: 0-50°C



## SPECIFICATION

### STANDARDS

IEEE 802.3u 100Base-TX/FX  
IEEE 802.3z 1000Base-SX/LX/LHX  
IEEE 802.3ad Port Trunking  
IEEE 802.3 10Base-T  
IEEE 802.1d Spanning Tree Protocol  
IEEE 802.1w Rapid Spanning Tree Protocol  
IEEE 802.1s Multiple Spanning Tree Protocol  
IEEE 802.3x Flow Control  
IEEE 802.1p Priority Queues  
IEEE 802.1q VLAN Tagging

### PORTS

24 x 10/100Base-TX (RJ-45)  
4 x SFP  
4 x 10/100/100Base-T (RJ-45)  
1 x RS-232 Console (RJ-45)

### PERFORMANCE

**Throughput:** 14,880/148,800/1,488,000 packets per second (pps) to 10/100/1000 Mbps ports  
**MAC Table:** Up to 16K addresses  
**VLAN:** Port-based and Tag-based (4KVIDs)  
**Wavelength:** Depend on SFP module  
**Max. Distance:** 10/100Base-TX: 100m  
RS-232: 15m  
Fiber Optic: Up to 110km  
**QoS:** Port-based, IEEE 802.1p tag, IPv4 ToS/DiffServ, IPv6 Traffic Class, source/destination MAC address

### POWER CHARACTERISTICS

**Power Input:** 100-240VAC, -48VDC with Redundant Power options

### ENVIRONMENTAL CHARACTERISTICS

**Operating:** Temperature: 0-50°C, Humidity: 10-80% (non-condensing)  
**Storage:** Temperature: -20-70°C, Humidity: 5% to 90% (non-condensing)  
**Dimensions:** 180 x 440 x 44 mm (D x W x H)  
**Weight:** 4 kg

### ELECTROMAGNETIC COMPATIBILITY

Emissions: FCC Part 15 of Class A & CE Approved  
Safety: EN 60950

## 24-port 10/100 + 4G Combo Managed L3 Switch

PART NO.	DESCRIPTION
065-7428	Managed 24-port + 4G Combo L3 Switch