

24x10/100TX+COMBO: 2x10/100/1000T + 2x1000SFP PoE Gigabit Ethernet Switch (Managed)



Benefits

■ 24x10/100 plus 2 MINI GBIC /RJ-45 combo switch with 24 POE injector and build in 200W AC power	■ Port Based VLAN /802 .1Q Tag VLAN
■ Confirms to IEEE802.3 10BASE-T, 802.3u 100BASE-TX/FX, 802.3ab 1000BASE-T, 802.3z Gigabit fiber, 802.3af power over Ethernet	■ IEEE802.3x Flow control ➢ Flow control for full duplex ➢ Back pressure for half duplex
■ High back-plane bandwidth 8.8Gbps	■ IEEE802.3ad Port trunk with LACP
■ Rapid spanning tree IEEE802.1w	■ Spanning tree protocol IEEE 802.1d
■ IGMP snooping and IGMP Query mode	■ IEEE 802.1p class of service
■ Port mirror and bandwidth control	■ IEEE 802.1x user authentication ■ TACACS+ (option)
■ Supports GVRP function	■ Broadcast storm filter
■ End point insert mode remote power feeding	■ DHCP client
■ Provides extra DC 48V input with redundant function and management power status through RS-232 port	■ On line extra power supply testing through RS-232 port
■ Management by Web/SNMP/Telnet/Console	■ Support command line interface management
■ System event log support	■ SNTP support

Standard Compliance

Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3z Gigabit SX/LX IEEE802.3ab Gigabit 1000T IEEE802.3x Flow Control and Back pressure IEEE802.3ad Port trunk with LACP IEEE802.1d Spanning tree protocol IEEE802.1w Rapid spanning tree protocol IEEE802.1p Class of service IEEE802.1Q VLAN Tagging IEEE 802.1x user authentication IEEE802.3af Power over Ethernet
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Hardware Specification

Connector	10/100TX: 24 x RJ-45 Gigabit Copper: 2 x RJ-45 2 MINI GBIC for MINI GBIC transceiver
Switch architecture	Store and forward switch architecture. Back-plane up to 8.8Gbps
MAC address	8K MAC address table with Auto learning function
Memory	3Mbits for packet buffer
Flash ROM	512Kbytes x 2
System memory	8Mbytes x 1
LED	System Power 10/100TX RJ-45 Port: Link/Active (Green: 1000Mbps/ Yellow: 10/100Mbps), Full-duplex/collision MINI GBIC/ Copper: Link/Activity, Full duplex/collision, 1000Mbps, 100Mbps
Connector	24-port RJ-45 for 10/100TX RJ-45 Pin assignment and polarity: 1/2:RX signal and -48V DC; 3/6:TX signal and +48V DC
RS-232 connector	One RS-232 DB-9 female connector for switch management and 2 RS-232 DB-9 male connectors on rear side for DC power supply and UPS management.
Remote power feeding	End-point insert type and compatible with IEEE802.3af Per port feeding power: 15.4Watt (maximum)
Power	Embedded AC power supply: AC 100~240V, 50/60Hz, 200W Extra power input: DC48V
Power consumption	20W (maximum /without PD)
Ventilation	2 DC Fans with detect function
Operating environment	0°C~40°C, 10%~95%RH
Storage environment	-40°C~70°C, 95% RH
Dimension	440mm(W) x 280mm(D) x 44mm(H)
EMI	FCC Class A, CE
Safety	UL, cUL, CE/EN60950

Software Feature

Management	SNMP management, Telnet management, web management, RS-232 terminal console for command line interface management
SNMP MIB	RFC 1157 SNMP, RFC 1213 MIB II, RFC 1643 Ethernet like, RFC 1493 Bridge MIB, RFC 2674 VLAN MIB, private MIB, RFC 1628 UPS MIB, RFC3621 Power Ethernet MIB
RFC standard	RFC 2030 SNTP, RFC 2821 SMTP (option), RFC 1492 TACACS+ (option), RFC 1215 Trap, RFC 1757 RMON 1
Type of Trap	Cold start, warm start, link down, link up, authorization fail, Trap station up to 3. Private trap for power supply device.
Software Upgrade	TFTP and console firmware upgradeable.
Port Trunk	Support IEEE802.3ad with LACP function. Up to 7 trunk groups and group member up to 4. The trunk port within 24-port 10/100TX and extension module.
Spanning Tree	IEEE802.1d spanning tree, IEEE802.1w rapid spanning tree.

VLAN	<p>Port based VLAN</p> <p>IEEE802.1Q Tag VLAN</p> <p>IEEE802.1v Protocol VLAN (IP, IPX,...)</p> <p>The static VLAN groups up to 256 and dynamic VLAN groups up to 2048, the VLAN ID can be assigned from 1 to 4094.</p>
Class of Service	Per system supports high and low queues. The priority service rule: first come first service, all High before Low, WRR for High or low weight.
Port-based Priority	Support 3 settings: "Disable, Low or High priority". When set to "Disable", the income packet will follow QOS policy; Otherwise, the packet will follow port priority setting to "High/Low" queue.
IGMP	It supports IGMP snooping for multimedia application and supports 256 groups
Port Security	It supports ingress and egress MAC address filter and static source MAC address lock.
Port Mirror	Global system supports 3 mirroring types: "RX, TX and Both packet". The maximum of port mirror entries is up to 25.
Bandwidth Control	Per port supports bandwidth control. Per level 100Kbps.
802.1x Authentication	<p>Support IEEE802.1x User-Authentication and can report to RADIUS server.</p> <ul style="list-style-type: none"> ➤ Reject ➤ Accept ➤ Authorize ➤ Disable
DHCP	DHCP client
Packet filter	Broadcast storm filter
System setup and control	System calibrate, AC power line frequency rejection, IEEE 802.3af resistor range adjust
Port configuration control	<p>Port Disable / Enable.</p> <p>PD detect control (enable/disable), Classification detect control (enable/disable), DC disconnect detect control</p>
Fault status detect	<p>Null: no PD present</p> <p>Overload: current support over 475mA @ DC 48V and over 50 milliseconds</p> <p>DR fail: PD discovery resistor is not in the limited range</p>
Mode status	System detects status, it will show I-sample, V-sample and R-detect.
Parametric information	It will show current PD parameters, it include Discover-resistor detected value, current, voltage, power consumption, classification current and determined class
SNTP	Supports RFC 2030 Simple Network Time Protocol
SMTP	Supports RFC2821 Simple Mail Transfer protocol (option)
System log	System Log record up to 1000 entries.
Power monitor	<p>Support power supply monitoring function for AC power, DC power, fan status</p> <p>3 types of power supply can be installed with POE switch and POE-UPWM.</p>
Power testing	Support test function to testing power supply.

Order Information

Part Number	Product Family	Description
26 P000 700	DragonLine	24x10/100TX 19" PoE Ethernet Switch (Managed)
26 P000 701	DragonLine	1 DC 48V/400W output with UPS power supply