

24x10/100/1000TX + 4x1000SFP Shared Gigabit Ethernet Switch



Benefits

<ul style="list-style-type: none"> ■ System Interface/Performance <ul style="list-style-type: none"> ➢ RJ-45 port support Auto MDI/MDI-X Function ➢ 4 Mini-GBIC Sockets ➢ Store-and-Forward Switching Architecture ➢ Back-plane (Switching Fabric): 48Gbps ➢ 500Kbytes Packet Buffer ➢ 8K MAC Address Table 	<ul style="list-style-type: none"> ■ IGMP Snooping v1, v2
<ul style="list-style-type: none"> ■ VLAN <ul style="list-style-type: none"> ➢ Port Based VLAN ➢ Support 802.1 Q Tag VLAN 	<ul style="list-style-type: none"> ■ Spanning Tree <ul style="list-style-type: none"> ➢ Support IEEE802.1d Spanning Tree ➢ Support IEEE802.1w Rapid Spanning Tree
<ul style="list-style-type: none"> ■ Port Trunk with LACP 	<ul style="list-style-type: none"> ■ Bandwidth Control ■ Storm Control
<ul style="list-style-type: none"> ■ QoS (Quality of Service) <ul style="list-style-type: none"> ➢ Support IEEE802.1p Class of Service ➢ Per port provides 4 priority queues ➢ Port Base, Tag Base and Type of Service Priority 	<ul style="list-style-type: none"> ■ SNMP Trap <ul style="list-style-type: none"> ➢ Device cold start ➢ Port Link up/Link down
<ul style="list-style-type: none"> ■ Port Mirror: Monitor traffic in switched networks. <ul style="list-style-type: none"> ➢ RX Packet only 	<ul style="list-style-type: none"> ■ TFTP Firmware Upgrade and System Configure Restore and Backup
<ul style="list-style-type: none"> ■ Security <ul style="list-style-type: none"> ➢ IP Security: IP address security management to prevent unauthorized intruder. ➢ Login Security: IEEE802.1X/RADIUS 	

Standard Compliance

IEEE Standard	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z Gigabit fiber IEEE802.3x Flow Control and Back Pressure IEEE802.3ad Port trunk with LACP IEEE802.1d Spanning Tree/ IEEE802.1w Rapid Spanning Tree IEEE802.1p Class of Service IEEE802.1Q VLAN Tag IEEE802.1x User Authentication (Radius)
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Hardware Specification

Switch Architecture	Back-plane (Switching Fabric): 48Gbps Packet throughput ability (Full-Duplex): 71.42Mpps @64bytes
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Fiber Ethernet port
Packet Buffer	500Kbytes
Jumbo packet	9600bytes
Mac Address	8K
Flash ROM	512Kbytes x 2
SRAM	128Kbytes
Connector	1000Base-T: 24xRJ-45 with auto MDI/MDI-X. Gigabit fiber: 4 x MINI-GBIC socket ; shared with last 4-port RJ-45
Protocol	CSMA/CD
LED	System Power (Green) Gigabit copper port: 100/1000Mbps (Green), Link/Activity (Green), Mini GBIC: Link/Activity (Green).
Power Supply	AC100 ~240V, 50/60Hz, 1A(Max)
Power Consumption	17.9 Watt (open issue)
Operating Humidity	10% to 90% (Non-condensing)
Operating Temperature	0°C to 45°C
Storage Temperature	-40°C to 70°C
Case Dimension	440mm (W) x 161mm (D) x 44mm (H)
Fan Number	1
Installation	19 "EIA /TIA Rack design,
EMI	FCC Class A, CE
Safety	UL, cUL, CE/EN60950-1

Software Feature

Management	SNMP v1/ Web/Telnet/CLI Management
SNMP MIB	RFC1213 MIBII, RFC 1493 Bridge MIB,
VLAN	Port Based VLAN IEEE802.1Q Tag VLAN (256 entries)/ VLAN ID (VLAN ID can be assigned from 1 to 4094.)
Port Trunk with LACP	LACP Port Trunk: 8 Trunk groups/Maximum 12 trunk members
Spanning Tree	Support IEEE802.1d Spanning Tree and IEEE802.1w Rapid Spanning Tree
Quality of Service	The quality of service determined by port, Tag and IPv4 Type of service, IPv4 Different Service
Class of Service	Support IEEE802.1p class of service, per port provides 4 priority queues
Port Mirror	Support mirroring types: RX packet
IGMP	Support IGMP snooping v1,v2, 255 multicast groups
IP Security	Support 1 IP address that has permission to access the switch management and to prevent unauthorized intruder.
Login Security	Support IEEE802.1X Authentication/RADIUS
Storm Control	The traffic storm control prevents LAN ports from being disrupted by a broadcast, multicast, or unicast traffic storm on physical interfaces.
Bandwidth Control	The rate control supports all of packet type and the limit rates are 128K~3968Kbps
Flow Control	Support Flow Control for Full-duplex and Back Pressure for Half-duplex
SNMP Trap	Up to 1 Trap stations Cold start, Port link up, Port link down
DHCP	Provide DHCP Client functions

Order Information

Part Number	Product Family	Description
26 1000 900	DragonLine	24x10/100/1000TX + 4x1000(SX/LX) SFP