



Micronet[®]
Making Communication Easier



SP6310IC2

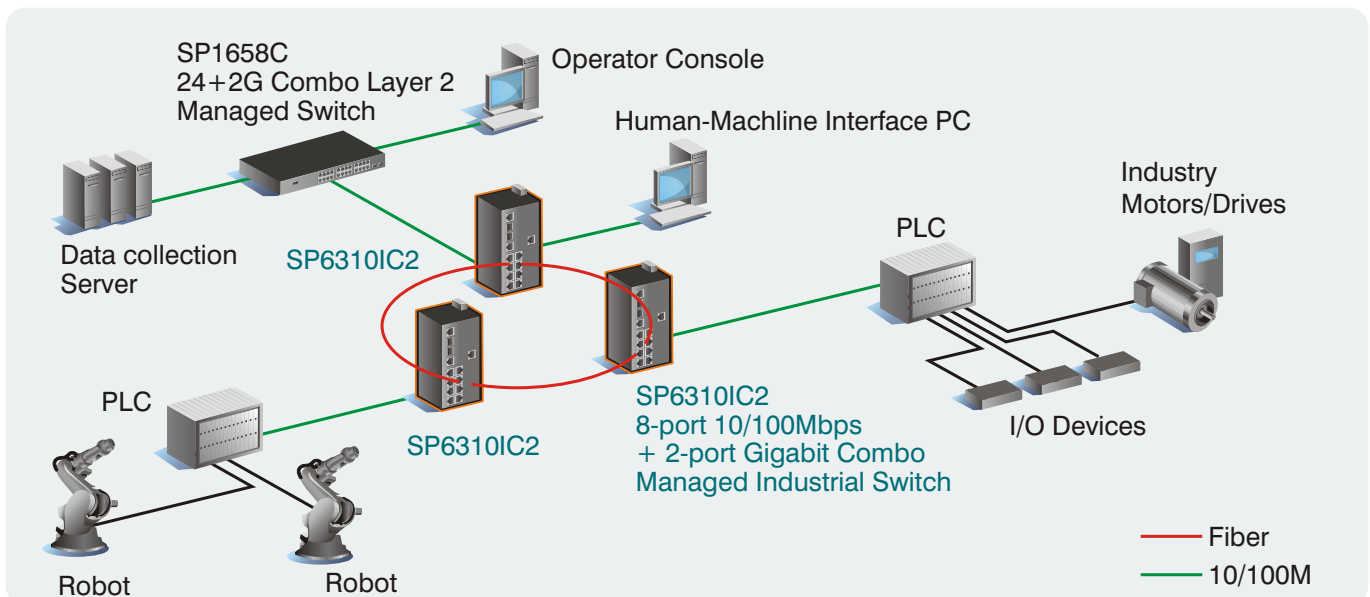
8-port 10/100Mbps + 2-port Gigabit Combo Managed Industrial Switch

Micronet's Managed Industrial Ethernet Switch, SP6310IC2, offers high reliability, speed and security to make sure the robust industrial-grade operation in harsh environments such as ITS(Intelligent Transportation Systems), MRT Station Automation, Hospitality, and Factory Assembly Line Automation, etc. The switch provides DIN-rail mountable & wall mountable installation, eight 10/100M Fast Ethernet ports and two SFP ports. Besides, the wide operating temperature ensures the network works in harsh environment. The DC input ranges 12V to 48V, with the redundant power input and removable terminal block features, and it minimizes the possibility on failure induced by power instability and staff mis-connection.

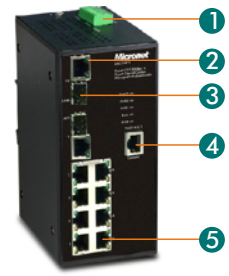
Robust Connectivity M-Ring	Redundant Power 12V-48V DC Input	Operating Temperature -10~60°C	Installation Design DIN Rail	Recovery Time Below 20ms
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Key Features

- Provide 8 10/100Mbps RJ-45 ports and 2 10/100/1000M/Mini-GBIC combo ports
- Support Dual Homing & Ring-Coupling Topology
- Support DIN Rail and Wall Mount Design in installation
- Support wide operating temperature (-10~60°C)
- Support wide range redundant power design
- Support store and forward architecture
- Provide broadcast storm protection



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- ① Power Supply Connector
- ② LED Indicator
- ③ SFP Port
- ④ Console Port
- ⑤ 10/100M RJ-45 LAN Port

SPECIFICATION

Model	SP6310IC2
Standard	IEEE 802.3, 802.3u, 802.3x, 802.3z ,802.3ab, 802.3ad, 802.1d, 802.1p, 802.1x, 802.1Q, 802.1ab
Interface	8 x 10/100Mbps RJ-45 ports, 2 x 10/100/1000Mbps RJ-45 ports, 2 x shared SFP slots RS-232 Connector (RJ-45 Type)
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Fiber Ethernet port
Feature	M-Ring, Dual Homing, Ring-Coupling Topology IEEE802.1w Rapid Spanning Tree Protocol Port Based VLAN, IEEE 802.1Q VLAN (256 entries)/VLAN ID, GVRP (256 Groups) Port Trunk with LACP (4 Trunk groups & members) Flow Control for Full-duplex and Back Pressure for Half-duplex 3 Port Mirror types: RX, TX and Both packet IGMP snooping v1/v2, 256 multicast groups and IGMP query DHCP Client/DHCP Server DNS Client and Primary/Secondary DNS server SNTP to synchronize system clock in Internet
MAC Address Table	8K
Hardware	Back-plane (Switching Fabric): 5.6Gbps Packet throughput ability (Full-Duplex): 8.3Mpps @64bytes Packet Buffer: 1Mbits, Flash ROM:4Mbytes, DRAM: 32Mbytes
Security	Port Security: MAC Address Entries/Filter IP Security: Support 10 IP Address that have permission to access the switch management and to Prevent Unauthorized Intruder Login Security: IEEE802.1x/RADIUS
Management	SNMP v1, v2c, v3/ Web/ Telnet/ CLI/ NS-View System Log Server/Client, SMTP E-mail Alert (6 e-mail accounts), Relay Alarm, SNMP Trap, TFTP firmware update
Environment	Operating Temperature: -10 ~ 60°C Operating Humidity: 5 ~ 95% (Non-Condensing)
Power	DC 12-48V, redundant power with polarity reverse protection 9.5Watts Power Consumption
Dimension	72 x 105 x 152 mm(W x D x H)
Emission	CE, FCC
Stability Testing	IEC60068-2-6 (Vibration), IEC60068-2-27 (Shock), IEC60068-2-32 (Free Fall)
SNMP MIB	RFC 1215 Trap, RFC 1213 MIBII, RFC 1157 SNMP MIB, RFC 1493 Bridge MIB, RFC 2674 VLAN MIB, RFC 1643, RFC 1757, RSTP MIB, Private MIB
QoS	The quality of service determined by port, Tag and IPv4 Type of Service Support IEEE802.1p class of service and Bandwidth Control

The product specifications are subject to change without prior notice

ORDERING INFORMATION

Model	Description
SP6310IC2	8-port 10/100Mbps + 2-port 10/100/1000M/Mini-GBIC Combo Managed Industrial Switch

COMPANION PRODUCTS

Consider the following Micronet products as a factor in your network planning.

- Ethernet Switch
- Industrial Ethernet
- IP Surveillance
- Wireless LAN
- VDSL • ADSL and Broadband
- IP Telephony
- KVM Switch
- Network Appliance
- Structured Cabling System

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