

6 Ports 10/100/1000M SMART Industrial switch with 4x 1G RJ45 & 2x GE combo port

SMART Industrial switch Fiber Switch LIMOX6-2C is a 4x RJ45 port (10/100/1000M), 2x 1G RJ45/SFP Combo Managed Industrial Switch with 1x console port. It consumes low power consumption, supports wide operating temperature (-40 to +75°C). These switches are specially designed for harsh industrial environments. It is suitable for wind power, subway PIS, power SCADA, sewage treatment, intelligent transportation systems applications.



FEATURES

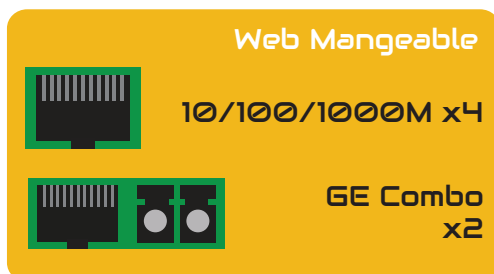
- 4x 1G RJ45 & 2x GE combo port
- L2 features provide better manageability, security, QoS, and performance.
L2 Switching features including 802.1x authentication, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, IP Source Guard
- Support spanning tree STP(802.1D) and RSTP(802.1W).
- Jumbo frames support up to 9.6K kilobytes.
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP and cable diagnosis
- G.8032, ERPS Ethernet Ring Protection Switching (<50ms)

SPECIFICATIONS

Number of RJ45 ports (10/100/1000BaseT)	4
Number of GE Combo ports	2
	2 set of V+, V- redundant DC power interface (5P Phoenix terminal)
Ethernet Port	Port 1-4 support 10/100Base-TX, Port 5-6 support 10/100/1000Base-T(X) automatic detection, full / half duplex MDI/MDI-X adaptive; Gigabit SFP optical fiber interface
Performance Specifications	
Reset Switch	Yes, Press and hold the reset switch for 10s and release it to restore the factory settings
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/ Distance	Multi mode: 850nm / 0 ~ 550M ; single mode: 1310nm / 0 ~ 40KM, 1550nm / 0 ~ 120KM
Network Protocol and Standards	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	64 Gbps
Forwarding Rate@64byte	3.57 Mpps
MAC	16 K
Buffer Memory	4 M
Jumbo Frame	10 K
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) ; 100BASE-TX: Cat5e or later UTP(≤100 meter) ; 1000BASE-T: Cat5e or later UTP(≤100 meter)
Environmental	
Operating temperature(humidity)	-40 to 80 °C(5 ~ 95% non condensation)
Storage temperature(humidity)	-40 to 85 °C(5 ~ 95% non condensation)
Power Consumption	Standby<5W, Full load<8W
Power Supply	No, optional 24V/24W industrial power supply
LED	Power Indicator : PWR (green); System Indicator :SYS (green); Network Indicator: Link/ (yellow);SFP Indicator: L/A (green);
Dimensions	145*134.5*47.5mm
Weight	0.8kg

<i>Lightning protection / protection level</i>	Lightning protection: 6KV 8/20us; Protection level: IP40; IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge; IEC61000-4-3(RS):10V/m(80-1000MHz); IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV;IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV; IEC61000-4-6(radio frequency transmission):10V(150kHz-80MHz) ; IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s ; IEC61000-4-9(pulsed magnet field):1000A/m ; IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV ; IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022):Class A ; IEC61000-6-2(Common Industrial Standard)
<i>Mechanical Properties</i>	IEC60068-2-6 (anti vibration) ; IEC60068-2-27 (anti shock) ; IEC60068-2-32 (free fall)
<i>Certification</i>	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS;
<i>Interface</i>	IEEE802.3X (Full-duplex) ; Broadcast storm control based on port speed; The speed limit of the message flow in the access port. ; The minimum particle size is 64Kbps.
<i>VLAN</i>	QinQ configuration ; VLAN based on protocol ; 4K VLAN based on port, IEEE802.1q
<i>Port Aggregation</i>	LACP,Manual aggregation ; Max 3 aggregation groups and 8; ports per group
<i>Spanning Tree</i>	STP (IEEE802.1d),RSTP (IEEE802.1w),MSTP (IEEE802.1s)
<i>Multicast</i>	MLD Snooping v1/v2,Multicast VLAN ; IGMP Snooping v1/v2/v3, Max 64 multicast groups, Fast log out
<i>Port Mirroring</i>	Bidirectional data mirroring based on port
<i>QoS</i>	Diff-Serv QoS ; Priority Mark/Remark ; 8*Output queues of each port ; 802.1p/DSCP priority mapping; Queue Scheduling Algorithm (SP,WRR,SP+WRR)
<i>ACL</i>	L2-L4 packet filtering, matching first 80 bytes message. Provide ACL ; based on MAC, Destination MAC, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range and VLAN etc. Port-based Issuing ACL.
<i>Security</i>	Port isolation ; Broadcast storm control ; Port+MAC binding, IP+MAC+port binding
<i>DHCP</i>	DHCP Client,DHCP Snooping,DHCP Relay
<i>System & Management</i>	NTP ; SNMP V1/V2C/V3 ; One-key recovery ; Login Record ; Web Management (HTTPS)

FUNCTIONAL DIAGRAM



ORDERING INFORMATION

PN	DESCRIPTION
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