

FLC-2026G-2C-X4 | Industrial 26 Ports Giga Managed Switch



FEATURE HIGHLIGHTS

- 24 port Full Gigabit (10/100/1000TX)
- 2 port giga combo (2 10/100/1000TX and 2 Giga SFP)
- Network redundancy: G.8032 ERPS v2/ STP/ RSTP/ MSTP
- RADIUS, TACACS+ authentication protocol
- QoS, LACP bandwidth control
- Security: VLAN, SNMP v1/v2c/v3, ACL, IP source guard
- 100-240V AC power input
- Operating temperature: -10°C ~ 65°C (-40°C ~ 75°C)

DESCRIPTION

FLC-2026G-2C-X4 is a 26-port managed industrial grade Gigabit Ethernet switch, which provides 24 10/100/1000 Base-T(X), and 2 sets of combo ports in 10/100/1000TX and 100/1000 SFP Slots. It is a full manageable Layer-2 Ethernet switch and supports AC power input in 100-240VAC. It is 19" rack mount housing for installation.

FLC-2026G-2C-X4 supports standard network redundancy ITU-T G.8032 ERPS v2 (Ethernet Ring Protection Switch) protocol, providing <50ms recovery time to the network, to give users the chance to choose your Ethernet switch but not tied up with particular brand's product.

FLC-2026G-2C-X4 also supports comprehensive network security and management capability by supporting multiusers account, IGMP, GVRP, VLAN, QoS, SNMP, RADIUS, TACACS+, Aggregation(Static, LACP), SSH, SSL, IP source guard to create a highly-secured network environment.

FLC-2026G-2C-X4 is designed to withstand harsh and extreme environment conditions. With fan less design, it still manage to be applied in extremely polarized temperature, standard from -10~65°C and extended version from -40°C to 75°C, making it the best choice in various industrial applications.

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet
	IEEE 802.3z 1000Base-X Gigabit Fiber
	IEEE 802.3x Flow Control
	IEEE 802.1d STP (Spanning Tree Protocol)
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)
	ITU-T G.8032 / Y.1344 ERPS v1/v2(Ethernet Ring Protection Switch)
	IEEE 802.1Q Virtual Local Area Network (VLAN)
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
	IEEE 802.1X Network Authentication
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)	
IEEE 802.3ad Link Aggregation (LACP)	
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Network Management	
Management	IPv4/IPv6, SNMP v1/v2c/v3, HTTP, HTTPS, SSHv2 telnet, CLI, TFTP, USB configuration backup/restore, Port Mirror, DNS client/proxy, IP based Access Filter, ICMPv6, syslog, Time Zone /Daylight Saving, NTP client, RMON, sFlow, Loop detection, Power lost warning, relay trigger, DHCP
Security	Port-based/Single/Multi 802.1X, ACL(Port/Rate Limiters/ACE), MAC-based Authentication, VLAN assignment, QoS Assignment, Private VLAN, Guest VLAN, RADIUS accounting, TACACS+, IP MAC binding, WEB/CLI authentication, Authorization (15 levels), Port Security Limit Control, ACLs for filtering/policing/port copy, IP source guard, ARP Inspection, DHCP option82
L2 Switching	Port/MAC/Protocol/IP Subnet-based VLAN, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP snooping v1/v2/v3, MLD snooping v1/v2, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, G.8032 v1/v2, LLDP, LLDP-MED
L3 Switching	Static routes
QoS	802.1p Queueing, Input priority mapping, Storm control for Unicast/Multicast/Broadcast, Port/Queue/ACL policer, Port egress shaper, Queue egress shaper, DiffServ (DSCP), Tag remarking, Scheduler mode
Power Saving	ActiPHY, PerfectReach, IEEE 802.3az EEE power management
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)
Configuration	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3
System / Diagnostics	Dual Image Protection, PING, PING6

SPECIFICATIONS
Switch Properties

Switching Fabric(Back-Plane)	52Gbps
Priority Queues	8
Max. Number of VLANs	4095
VLAN ID Range	VID 1 to 4095
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
IGMP Group	1024
Transfer Rate	14,880pps for Ethernet port
	148,800pps for Fast Ethernet port
	1,488,000pps for Gigabit Ethernet port

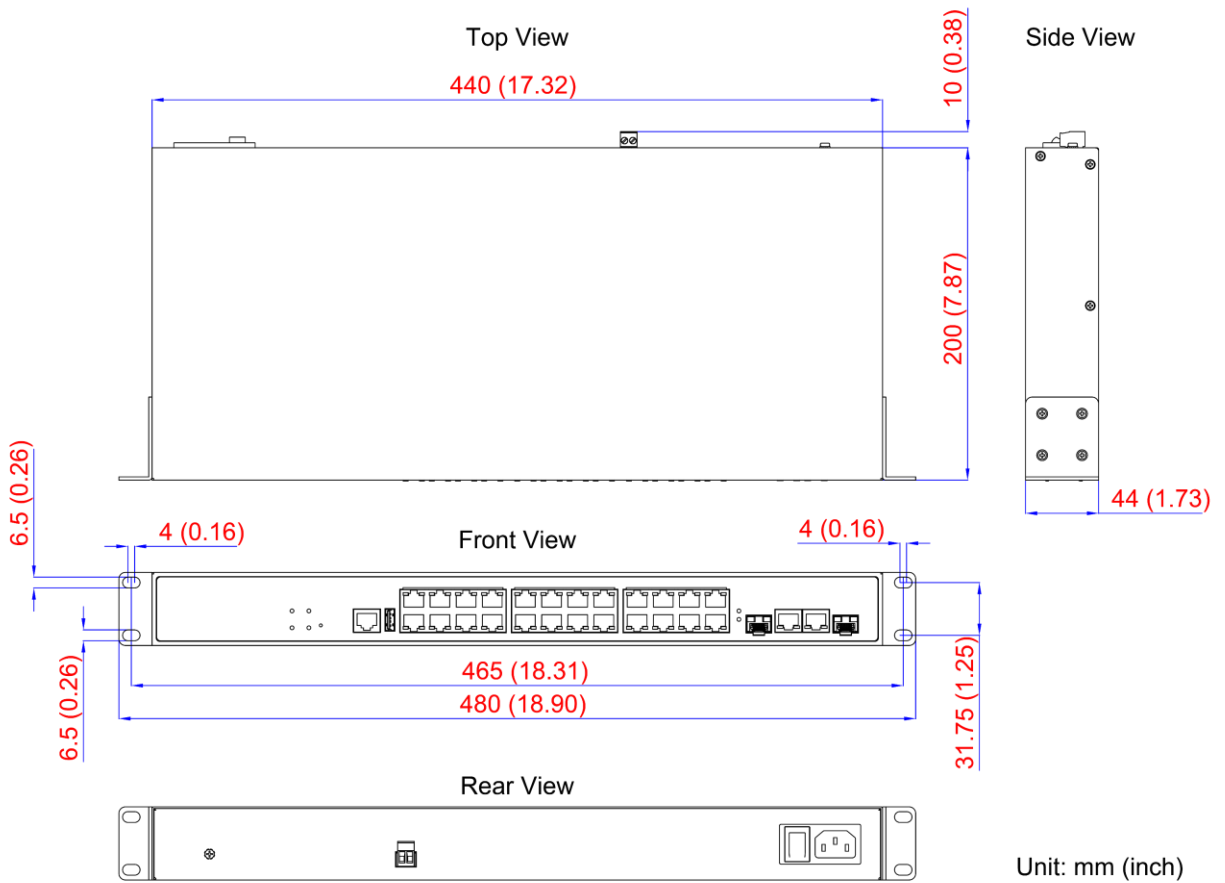
Interface

RJ45 Ports	24*10/100/1000 Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Fiber Port	2 10/100/1000 TX and 2 100/1000Base-(F)X SFP ports
Wavelength	Depends on SFP modules
LED Indicators	System: Power, Master, Ring, Status Ethernet ports: Speed/Link/Active SFP: Link/Active
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, baud rate 115,200bps,8,N,1
Relay Contact	24 VDC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)
	100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
	1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
Optical Cable	Multi-mode cable - 50/125um or 62.5/125um,
	Single-mode cable - 9/125um or 10/125um

SPECIFICATIONS

Power Requirements	
Input Voltage	100-240VAC power input, 50-60Hz
Power Connection	1 AC socket
Overload Current Protection	Present (Slow-Blow Fuse)
System Power Consumption	Max. 21W full loading
Mechanical Characteristics	
Housing	Metal, IP40 protection
Dimensions (W x H x D)	440 x 44 x 200 mm (17.32 x 1.73 x 7.87 inch)
Weight	Unit weight: 2.68kg (5.92 lb) Shipping weight: 3.56kg (7.87 lb)
Mounting	19 inch rack mount
Environmental Limits	
Operating Temperature	Standard: -10°C ~ 65°C (14°F ~ 149°F) Extend: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN61000-6-4 Class A
EMS	CE EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
MTBF	388,859 hours

DIMENSION



ORDERING INFORMATION

Model Name	Software	10/100/1000TX	Gigabit Combo	Operating Temperature	Power input
FLC-2026G-2C-X4	L2	24	2	-10°C ~ 65°C	100-240VAC
FLC-2026G-2C-T-X4	L2	24	2	-40°C ~ 75°C	100-240VAC