

# 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

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**

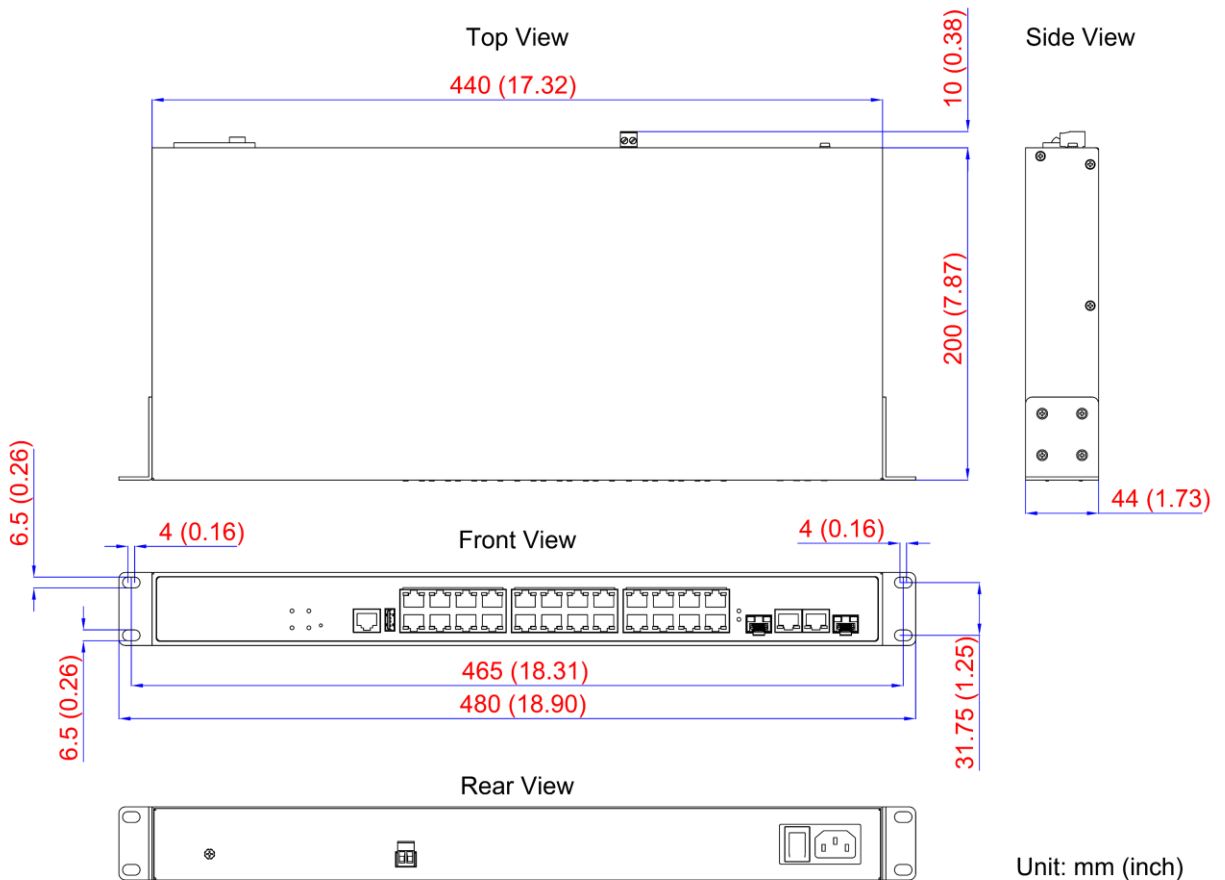
<b>Switch Properties</b>	
Switching Fabric(Back-Plane)	52Gbps
Priority Queues	8
Max. Number of VLANs	4095
VLAN ID Range	VID 1 to 4095
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
IGMP Group	1024
Transfer Rate	14,880pps for Ethernet port
	148,800pps for Fast Ethernet port
	1,488,000pps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

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## 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