

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



FEATURE HIGHLIGHTS

- 24 port Full Gigabit (10/100/1000TX) with PoE 30W/port
- 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
- 48-55VDC power input
- Operating temperature: -10°C ~ 65°C (-40°C ~ 75°C)

DESCRIPTION

FLC-2026GP-2C-X4 is a 26-port managed industrial grade Gigabit Ethernet switch. It provides 24 10/100/1000 Base-T(X) with IEEE802.3 at PoE function (30watts/port), 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 power inputs redundancy in 48-55VAC. It is 19" rack mount housing for installation.

FLC-2026GP-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-2026GP-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-2026GP-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.

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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 802.3af/at Power over Ethernet |
| | 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

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|----------------------|---|
| 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 |

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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) with PoE 30 watts per port Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X |
| Fiber Port | 2 10/100/1000 TX and 2 100/1000Base-(F)X SFP ports |
| PoE Pin Out | V+, V+, V-, V- for pin 1, 2, 3, 6 (End span for MDI Alternative A) |
| Wavelength | Depends on SFP modules |
| LED Indicators | System: Power 1, Power 2, Master, Ring, Fault |
| | Ethernet ports: Speed/Link/Active |
| | PoE: On, connected to power detective device 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 |

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Power Requirements

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|-----------------------------|---------------------------|
| Input Voltage | 48-55VDC dual power input |
| Reverse Polarity Protection | Present |
| Overload Current Protection | Present (Slow-Blow Fuse) |
| Max PoE Power Output | Max. 30Watts per port |
| Max PoE Power Budget | 720 Watts |
| System Power Consumption | Max. 21W full loading |
| Relay Contact | 24VDC, 1A Resistive |

Mechanical Characteristics

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|------------------------|---|
| 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: 2.82kg (6.22 lb) Shipping weight: 3.54kg (7.8 lb) |
| Mounting | 19 inch rack mount |

Environmental Limits

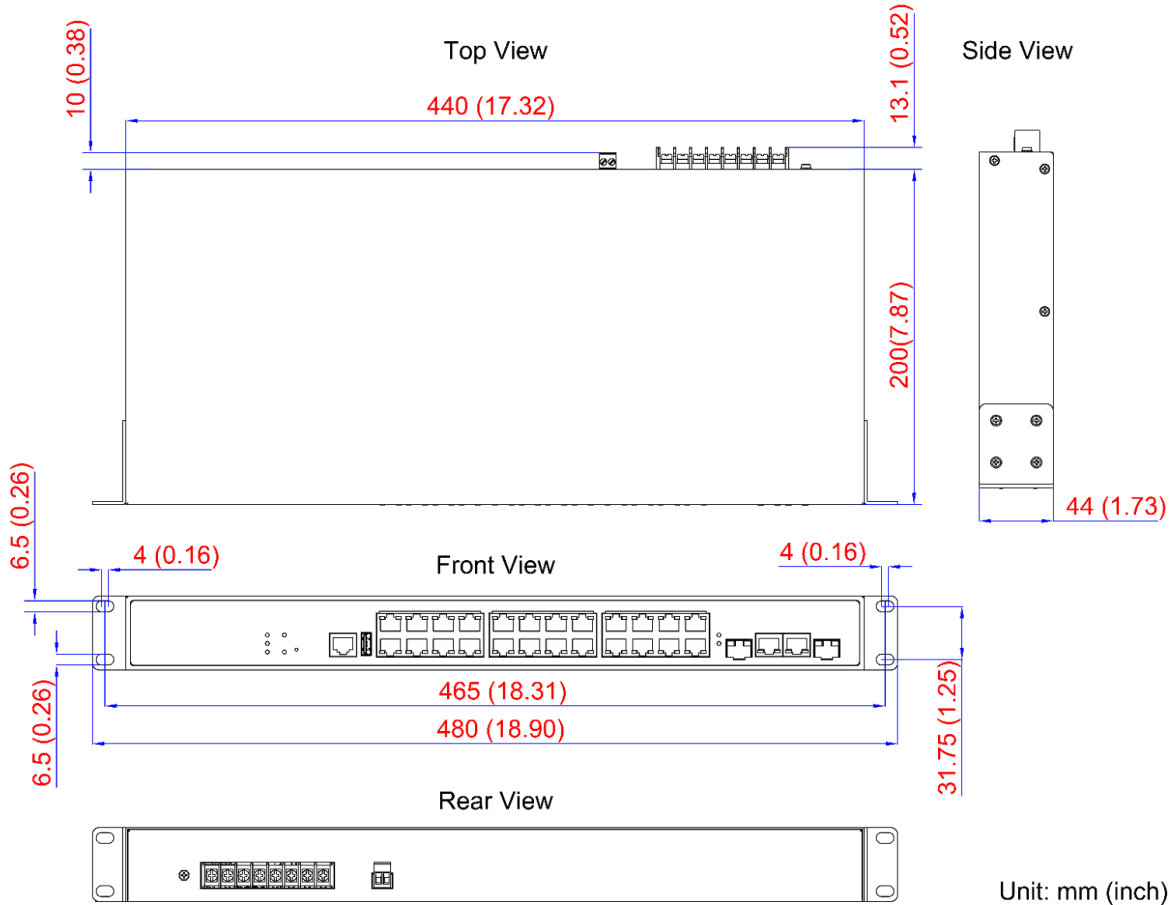
| | |
|---------------------------|---|
| Operating Temperature | Standard: -10°C ~ 65°C (14°F ~ 149°F) Extend: -40°C ~ 75°C (-40°F ~ 167°F) |
| Storage Temperature | -40°C ~ 85°C (-40°F ~ 185°F) |
| Ambient Relative Humidity | 5 to 95%, (non-condensing) |

Regulatory Approvals

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|-----------|--|
| 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 |
| UL | UL61010-1, UL61010-2-201 compliant |
| MTBF | 252,479 hours |

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DIMENSION



ORDERING INFORMATION

| Model Name | Software | 10/100/1000TX | Gigabit Combo | Operating Temperature | Power input |
|--------------------|----------|---------------|---------------|-----------------------|-------------|
| FLC-2026GP-2C-X4 | L2 | 24/PoE 30W | 2 | -10°C ~ 65°C | 48-55VDC |
| FLC-2026GP-2C-T-X4 | L2 | 24/PoE 30W | 2 | -40°C ~ 75°C | 48-55VDC |