FLC-2036G-24F4X-T-X2 | 36 Port Industrial L2 Gigabit Switch with 10G Uplink



FEATURE HIGHLIGHTS

- 24x 1000FX SFP ports
- 4x 1/10 Gigabit Ethernet SFP+ Slot
- 8 Giga Ethernet ports
- RSTP, MSTP, ERPS, LACP for Network Redundancy
- QoS CoS/DSCP to increase determinism
- Supports IGMP Snooping v1/v2/v3, up to 4096 groups
- DHCP Relay Option 82 for IP address assignment
- SNMP v1/v2c/v3 for network management
- USB storage for configuration-free replacement
- Industrial protocols Ethernet/IP and Modbus TCP

DESCRIPTION

FLC-2036G-24F4X-T-X2 series has up to 24 gigabit SFP ports, 8 gigabit ethernet ports and 4 1/10 Gigabit SFP uplink ports. Its industrial design makes the equipment fanless and operating wide temperature -40 to 75 degree C for most of the industrial applications.

FLC-2036G-24F4X-T-X2 series provide superior security software feature sets, ie Radius, TACACS+, SSH, SSL and network redundancy such as RSTP, MSTP, G.8032 ERPSv2. FLC-2036X-24F4X series has complete L2 software feature set plus L3 RIP, OSPF, VRRP features for model FLC-3036X-24F4X to support industrial network.

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SPECIFICATIONS

Technology	
Standards	IEEE802.3 10Base T
	IEEE802.3u 100Base T
	IEEE 802.3z 1000BaseX
	IEEE 802.3ab 1000BaseT
	IEEE 802.3ae 10GBase over Fiber
	IEEE 802.3x Flow Control
	IEEE 802.3ad/802.1AX LACP
	IEEE 802.1D Spanning Tree Protocol
	IEEE 802.1w Rapid STP
	IEEE 802.1s Multiple STP
	ITU-T G.8032 / Y.1344 ERPS
	IEEE 802.1Q VLAN Tagging
	IEEE 802.1ad Stacked VLANs
	IEEE 802.1p Class of Service
	IEEE 802.1X Network Authentication
	IEEE 802.1AB LLDP
	IEEE 1588 PTP
	IEEE802.3az Energy efficient ethernet
Processing Type	Store and Forward
Switch Properties	
Switch Fabric	160Gbps
Priority Queues	8 Queues
Jumbo Frame	12288bytes
MAC Table Size	32K
Packet Buffer	32Mbits
VLAN Table Size	4094
IGMP Group	4096
ACL Group	4096
VLAN IP Entries	256 (L3 model: FLC-3036G-24F4X-T-X2)
Routing Entries	16K/8K host, 16K/16K LPM (L3 model: FLC-3036G-24F4X-T-X2)
Software Feature	
Network Redundancy	RSTP, MSTP, G.8032 ERPSv2, Port Trunking with LACP
Security	802.1X, RADIUS, TACACS+, SSL, SSH, ACL
Management	IPv4, IPv6, Web, Telnet, Serial Console, CLI, SFTP, SNMP v1/v2c/v3, uPnP
Diagnostics	RMON, SNMP Inform/Trap, Syslog, SMTP, Port Mirroring, LLDP, Cable Diagnostic, RSPAN
Configuration	DHCP Server/Client, Relay Option 82, TFTP, USB
Filter	802.1Q VLAN, Q-in-Q, IGMP Snooping v1/v2/v3, IGMP Querier, Independent Vlan Learning
Time Sync.	NTP, IEEE1588v2 OC (Software Timestamp), TC (Hardware Timestamp)
QoS	CoS, DSCP, WRR/SPQ Queuing, Storm Protection, Bandwidth Control
Industrial Profiles	Ethernet/IP, Modbus TCP, Profinet
L3 Switching	Static Routing, RIP v1/v2, RIPng, OSPF v2, OSPF v3, VRRP v2 (L3 model: FLC-3036G-24F4X-T-X2)

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Interface	
RJ45 Port	8x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X
Fiber Port	24x 1000 FX SFP port and 4x 1/10 Gigabit Ethernet SFP+ Slot
LED Indicators	Per unit: PWR1, PWR2(AC2/DC2), Fault, Ring Master, Ring State
	Ports: Link/Active with highest speed(Green), low speed(Amber)
Alarm Contact	1x relay output with current carrying capacity of 1A @ 24 VDC
Digital Inputs	1x isolated input from the electronics.
	+13 to +30V for state "1"
	-30 to +3V for state "0"
	Max. input current: 8mA
Button	Multiple functions reset button
Serial Console	1x RS232 in RJ45 connector with console cable, 115.2Kbps, 8N1
Storage	1x USB 2.0 storage for firmware update, configuration backup, restore, boot up and syslog
Power Requirements	
Operation Voltage	100~240VAC, 12~48VDC, redundant dual inputs
Connection	AC socket, DC 4-pin terminal block
Power Consumption	1.67A@24VDC; 0.494A@220VAC
Protection	Overload Current Protected, Reverse Polarity Protected
Mechanical Construction	
Enclosure	Aluminum / Steel met
Protection Class	IP30
Dimensions	440x44x331 mm (WxHxD)
Weight	6.00 kg
Mounting	Rack Mounting
Environmental Limits	
Operating Temperature	Extended: -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)

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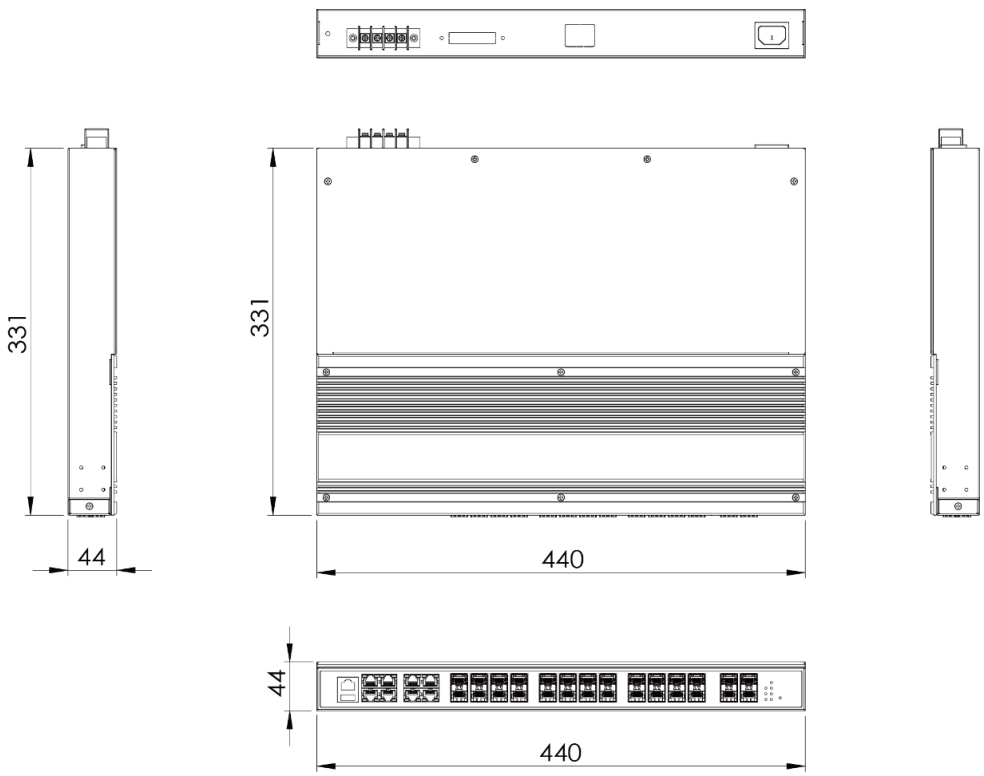
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SPECIFICATIONS

Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A
	CE EN 55032 Class A
EMC	IEC 61000-6-2
	IEC 61000-6-4
EMS	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	>100,000 hours
Warranty	5 Years

DIMENSIONS (Unit=mm)



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ORDERING INFORMATION

Model Name	Software	1000 FX SFP	1G/10G SFP+	10/100/1000TX RJ45	Power input
FLC-3036G-24F4X-AD-T-X2	L2	24	4	8	1x100-240VAC & 1x12-48VDC
FLC-3036G-24F4X-AC-T-X2	L2	24	4	8	2x 100-240VAC redundant
FLC-3036G-24F4X-DC-T-X2	L2	24	4	8	2x 12-48VAC redundant
FLC-3036G-24F4X-AD-T-X2	L2 and L3	24	4	8	1x100-240VAC & 1x12-48VDC
FLC-3036G-24F4X-AC-T-X2	L2 and L3	24	4	8	2x 100-240VAC redundant
FLC-3036G-24F4X-DC-T-X2	L2 and L3	24	4	8	2x 12-48VDC redundant

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