



CWG26F4T22MP Commercial Managed 26-Port PoE Ethernet Switch



The **comnet by acre CWG26F4T22MP** is a commercial grade, managed Ethernet Switch. It provides IEEE 802.3at PoE to twenty-two 10/100/1000BASE-T(X) ports, two gigabit combo ports supporting 100/1000FX SFP modules, and two 100/1000FX SFP ports. Up to 420 watts of PoE power is available for distribution between all 24 TX ports. Comnet has a full offering of SFPs for fiber, connector type and distance. The CWG26F4T22MP supports Layer 2+ full management software features for PoE control, network control, management, monitor and many other security features.

SPECIFICATIONS

CONNECTORS

10/100/1000BASE-TX	22 x RJ-45 PORTS WITH AUTO MDI/MDIX AND PSE
COMBO	2 x RJ-45 PORTS WITH AUTO MDI/MDIX AND PSE OR 2 x 100/1000BASE-FX SFP ¹
100/1000BASE-FX	2 x SFP ¹ PORTS
CONSOLE PORT	RJ45

SWITCH PROPERTIES

SWITCHING LATENCY	7 US
SWITCHING BANDWIDTH	52 GBPS
FORWARDING RATE	38.688MBPS
MAX. VLANS AVAILABLE	4000
IGMP MULTICAST GROUPS	1024
PORT RATE LIMITING	USER DEFINED
MAC TABLE	8000 MAC ADDRESSES AVAILABLE
PRIORITY QUEUES	8 PER PORT
PROCESSING	STORE-AND-FORWARD
JUMBO FRAME	UP TO 9.6K BYTES

Key Features

- ✓ Virtual Stacking to allow management via one IP address
- ✓ Comnet Monitor compatible
- ✓ Fast Redundancy/Recovery to IEEE standards to support multiple rings
- ✓ PoE with 420 W budget
- ✓ PoE powered device alive check and PoE scheduling
- ✓ Advanced security features including 802.1x // Device Binding / ACL
- ✓ Switch supports Layer 3 Static Route
- ✓ Supports Voice and Private VLAN
- ✓ Supports IPV6 new Internet protocol version
- ✓ IGMP v2 / v3 Multicast support
- ✓ HTTPS/SSH protocol to enhance network security
- ✓ SNMP / LLDP support for network discovery
- ✓ Supports SNTP client for accurate time management

POE FEATURES

POE POWER OUTPUT	PER PSE PORT: IEEE 802.3af/at MAX. 15.4W/30W
NUMBER OF PSE PORT	24
POE TYPE	MODE A: 1/2(+), 3/6(-)
MAX. POE BUDGET	420 W
FUNCTIONS	PD ALIVE CHECK, CLASSIFICATION, SCHEDULING
MANAGEMENT (PER PORT)	ENABLE/DISABLE, PRIORITY, POWER LEVEL, OVERLOADING PROTECTION

SECURITY

FEATURES

MANAGEMENT SYSTEM USERNAME / PASSWORD PROTECTION
USER PRIVILEGES (UP TO 15 LEVELS)
DEVICE BINDING
ENABLE/DISABLE PORTS
MAC BASED PORT SECURITY
PORT-BASED NETWORK ACCESS CONTROL: 802.1X
VLAN (802.1Q): TO SEGREGATE AND SECURE NETWORK TRAFFIC
SNMPV3 ENCRYPTED AUTHENTICATION AND ACCESS SECURITY
HTTPS/SSH ENHANCED NETWORK SECURITY
IP-BASED BANDWIDTH MANAGEMENT
APPLICATION-BASED QOS MANAGEMENT
TOS/DIFFSERV
ACL (L2/L3/L4)
IP SOURCE GUARD
RADIUS (AUTHENTICATION, AUTHORIZATION, ACCOUNTING)
TACACS+
HTTP & SSL (SECURE WEB)
SSH V2.0 (SECURED TELNET SESSION)
MAC/IP FILTER

MANAGEMENT

FEATURES

SNMP, CLI, WEB BASED, TELNET (WITH ACCESS MANAGEMENT FILTERING)
FIRMWARE UPGRADE VIA HTTP
DUAL FIRMWARE IMAGES
CONFIGURATION DOWNLOAD/UPLOAD
SNMP (V1/V2C/V3)
RMON (1, 2, 3 & 9 GROUPS)
DHCP (CLIENT/RELAY/OPTION82/SNOOPING/SERVER)
TFTP (TRIVIAL FILE TRANSFER PROTOCOL)
NTP/LLDP
IPV6 CONFIGURATION

DIAGNOSTICS	<p>CABLE DIAGNOSTICS</p> <p>SYSTEM EVENT/ERROR LOG</p> <p>PORT MIRRORING</p>
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NETWORK

IP	DHCP (SERVER / CLIENT SUPPORT)
REDUNDANCY	RSTP (802.1W) / STP (802.1D) / MSTP (802.1S)
SEGREGATION	VLAN TAGGING AND GVRP SUPPORTED (802.1Q), MAX VLANS 4000, TAGGED BASED, PORT BASED, Q-IN-Q, VOICE
AGGREGATION	LACP (802.3AD), STATIC TRUNK (MAX AGGREGATION GROUPS 13, MAX 8 PORTS PER GROUP)
MULTICAST	<p>IGMP SNOOPING V1/2/3, (1024 IGMP GROUPS)</p> <p>IGMP STATIC MULTICAST ADDRESSES (1024 ADDRESSES),</p> <p>IPV6 MLD SNOOPING (1024 GROUPS)</p> <p>MLD STATIC MULTICAST ADDRESSES (1024 ADDRESSES)</p> <p>QUERIER / IMMEDIATE LEAVE SUPPORT</p>
STORM CONTROL	BROADCAST/MULTICAST/UNKNOWN UNICAST PROTECTION
LOOP PROTECTION	SINGLE DEVICE LOOP GUARDING
L3 SUPPORT	STATIC ROUTE
STACKING SUPPORT	VIRTUAL

POWER

OPERATING VOLTAGE RANGE	100 TO 240 VAC, 50-60 HZ (INTERNAL POWER SUPPLY).
POWER CONSUMPTION, TYPICAL	MAX 30 WATTS. 450 W WITH MAX PD DEMAND OF 420 W
CURRENT PROTECTION	OVERLOAD CURRENT PROTECTED

ELECTRICAL & MECHANICAL

INDICATING LEDs	POWER, POE, PSE, LINK/ACT
ENCLOSURE	1-RU HIGH, 19-INCH RACK-MOUNTABLE
SIZE (L×W×H)	13.46 × 16.97 × 1.73 IN (33.0 × 44.0 × 4.4 CM)
NET WEIGHT	13.1 LBS / 5.9 KG
SHIPPING WEIGHT	13.2 LBS / 6 KG

ENVIRONMENTAL

MTBF	>100,000 HOURS
OPERATING TEMP	0° C TO +50° C
STORAGE TEMP	-20° C TO +80° C
RELATIVE HUMIDITY	10% TO 90% (NON-CONDENSING)

REGULATORY APPROVALS

EMI	FCC PART 15, CISPR (EN55022) CLASS A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS) EN61000-4-4 (EFT), EN61000-4-5 (SURGE), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
MECHANICAL SHOCK	IEC60068-2-27
FREE FALL	IEC60068-2-32
VIBRATION	IEC60068-2-6

ETHERNET STANDARDS SUPPORTED

IEEE 802.3 FOR 10BASE-T
IEEE 802.3U FOR 100BASE-TX AND 100BASE-FX IEEE 802.3Z FOR 1000BASE-X
IEEE 802.3AB FOR 1000BASE-T
IEEE 802.3at FOR POE UP TO 30 WATTS PER PORT WITH A TOTAL POWER BUDGET OF 420 W
IEEE 802.3AZ FOR ENERGY EFFICIENT ETHERNET
IEEE 802.3X FOR FLOW CONTROL
IEEE 802.3AD FOR LACP (LINK AGGREGATION CONTROL PROTOCOL) IEEE 802.1D FOR STP (SPANNING TREE PROTOCOL)
IEEE 802.1P FOR COS (CLASS OF SERVICE) IEEE 802.1Q FOR VLAN TAGGING
IEEE 802.1V FOR PROTOCOL VLAN
IEEE 802.1W FOR RSTP (RAPID SPANNING TREE PROTOCOL) IEEE 802.1S FOR MSTP (MULTIPLE SPANNING TREE PROTOCOL)
IEEE 802.1X FOR AUTHENTICATION
IEEE 802.1AB FOR LLDP (LINK LAYER DISCOVERY PROTOCOL)

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
CWG26F4T22MP	(22) 10/100/1000 BASE-T(X) + (2) GIGABIT COMBO PORTS W/ POWER OVER ETHERNET (POE+) + (2) 100/1000 BASE-FX, 470 W POWER SUPPLY

INCLUDED ACCESSORIES

RACK-MOUNT INSTALLATION KIT, AND AC POWER CABLE

Options(1) User selection of Comnet SFP (Extra charge, see SFP Modules data sheet for product numbers and compatibility before ordering)