CWG26F4T22M Commercial Managed 26-Port Ethernet Switch

Key Features

- ✓ Virtual Stacking to allow management via one IP address
- ✓ Comnet Monitor compatible
- ✓ Fast Redundancy/Recovery to IEEE standards to support multiple rings
- ✓ 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

The **comnet by acre CWG26F4T22M** is a commercial grade, managed Ethernet Switch. It provides twenty-two 10/100/1000BASE-T(X) ports, two gigabit combo ports supporting 100/1000Fx SFP modules and two 100/1000FX SFP ports. Comnet has a full offering of SFPs for fiber, connector type and distance. The CWG26F4T22M supports Layer 2+ full management software features for network control, management, monitor and many other security features.

SPECIFICATIONS

CONNECTORS

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

SWITCH PROPERTIES

SWITCHING LATENCY	7 US
SWITCHING BANDWIDTH	52 Gbps
FORWARDING RATE	38.688 Mbps
MAX. VLANS AVAILABLE	4000
IGMP MULTICAST GROUPS	1028
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

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

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 14, MAX 8 PORTS PER GROUP)
MULTICAST	IGMP SNOOPING V1/2/3, (1024 IGMP GROUPS)
	IGMP STATIC MULTICAST ADDRESSES (1024 ADDRESSES)
	IPV6 MLD SNOOPING (1024 GROUPS)
	MLD STATIC MULTICAST ADDRESSES (1024 ADDRESSES)
	QUERIER / IMMEDIATE LEAVE SUPPORT
STORM CONTROL	BROADCAST/MULTICAST/UNKNOWN UNICAST PROTECTION
LOOP PROTECTION	SINGLE DEVICE LOOP GUARDING.
L3 SUPPORT	STATIC ROUTE
STACKING SUPPORT	VIRTUAL

comnet
by acre

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	CABLE DIAGNOSTICS SYSTEM EVENT/ERROR LOG PORT MIRRORING

POWER

OPERATING VOLTAGE RANGE	100 TO 240 VAC, 50-60 HZ (INTERNAL POWER SUPPLY)
POWER CONSUMPTION, TYPICAL	MAX 25 WATTS
CURRENT PROTECTION	OVERLOAD CURRENT PROTECTED

ELECTRICAL & MECHANICAL

INDICATING LEDs	POWER, 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)

comnet
by acre

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 802.3AZ 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
CWG26F4T22M	(22) 10/100/1000 BASE-T(X) + (2) GIGABIT COMBO PORTS + (2) 100/1000 BASE-FX), 50W 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)

comnet
by acre