



The ComNet CNFE3TX2CXMS(U,E) is an edge Cellular VPN Gateway with 2 10/100TX Ports (1 × LAN, 1 × WAN) and 1 standard SIM card slot. It supports 802.1X and MAC filter for security control. The Gateway can be configured to operate in 3 modes: Dynamic/Static IP route, PPPoE authentication, and Modem dial up. The units can be powered by an IEEE 802.3af PoE compliant device on port 1 or through the 4-Pin terminal block with dual DC Inputs. The Gateways are DIN Rail mountable and feature a rigid IP-30 housing.

FEATURES

- › Supports 802.1X Authentication
- › HTTPS Support for Secure Management
- › 4G LTE Modem Built In
- › OpenVPN, IPsec VPN, PPTP VPN
- › NAT Support (Virtual Server, Port Trigger, DMZ and UPnP)
- › 1KV Isolation for PoE PD Port
- › DIN-Rail and Wall Mountable
- › Event Warning by Syslog, Email and SNMP Trap
- › Cellular Antennas included
- › Certified for AT&T Networks

APPLICATIONS

- › Remote locations where network access is required
- › Wireless Perimeter Surveillance
- › Temporary Network Surveillance Deployments
- › Site to Site VPN
- › Redundant Gateway
- › Electrical substation SCADA and distribution automation networks; protective relaying systems; power transmission & distribution systems; remote/unattended wind farm, hydroelectric, and solar/photovoltaic power generation facilities; and other electrical utility-specific applications
- › NERC-CIP-014 compliance for perimeter security, surveillance monitoring, and controlled access to electrical substations and power generating facilities, and other critical infrastructure/high value, mission-critical sites and assets
- › Industrial/Factory Automation & Process Control SCADA Networks
- › Distribution Automation: Remote status indication, monitoring, and control of reclosers, capacitor banks, voltage regulators, and other remotely-located electrical utility-specific equipment, via the internal cellular radio link
- › Integrated IP-Video, VOIP, and Data Transmission Networks
- › Wastewater treatment plants, and suppliers of potable drinking water
- › ITS/transportation closed-loop signalization and VMS/VDS/surveillance/incident detection systems
- › City Center security and surveillance monitoring
- › Military, defense, and government communications networks

SPECIFICATIONS

Networking

Cellular Standards	GSM, GPRS, EGRSP, EDGE, WCDMA, HSDPA, HSUPA, LTE
Bands	USA: LTE 1900(B2), 1700(B4), 850(B5) 700(B13), 1900(B25) MHz European: LTE 2100(B1), 1800(B3), 2600(B7) 900(B8), 800(B20) MHz
SIM Card	Standard (15 × 25 mm)

Data Rates

Category 3 Downlink	100 Mbps (20 MHz bandwidth) 50 Mbps (10 MHz bandwidth)
Category 3 Uplink	50 Mbps (20 MHz bandwidth) 25 Mbps (10 MHz bandwidth)

The quoted data rates are carrier dependant and will be determined by network and signal strength along with any other carrier imposed restrictions or limitations. The actual data rate will also be limited by any encryption method implemented such as a VPN etc. As such the data rates are outside of ComNet's control and cannot be guaranteed

Connectors

10/100 Ethernet	2 × RJ-45
Cellular Antenna	2 × SMA Female
Power	Terminal Block

Power

Operating Voltage Range	12 to 48 VDC
Power Consumption	3 W Max
PD Power	IEEEE802.3af PD compliant

Mechanical

LED Indicators	Dual Power, PoE, WAN, Dual Ethernet Link/Act
Current Protection	Automatic Resettable Solid-State Current Limiters
Circuit Board	Meets IPC Standard
Size	3.17 × 1.57 × 3.74in (8.06 × 4 × 9.5cm)
Shipping Weight	<2 lb / 1 kg

Environmental

MTBF	>100,000 hours
Operating Temp	-40° C to +60° C
Storage Temp	-40° C to +85° C
Relative Humidity	5% to 95% (non-condensing) ¹

AGENCY COMPLIANCE



ORDERING INFORMATION

Part Number	Description
CNFE3TX2CXMSU	4G LTE Cellular Gateway, FCC certified for North America
CNFE3TX2CXMSE	4G LTE Cellular Gateway, ETSI certified for European Union
Included Accessories	2 × SMA Female Antennas (Cellular), DIN-Rail Mount, and Wall Mount DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included in North America only, for benign 0 to 50°C applications. Hardened power supply available, consult factory)
Options	[1] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory) 24 V or 48 VDC DIN Rail power supply (Extra Charge, Consult Factory)

Note: In a continuing effort to improve and advance technology, product specifications are subject to change without notice.