



The ComNet CNFE3TX2CXMS(U,E) is an edge Cellular VPN Gateway with 2 10/100TX Ports and 1 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
- › 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 Verizon and 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

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	IEEE802.3af PD compliant

Mechanical

LED Indicators	Dual Power and POE	10/100 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 +75° C
Storage Temp	-40° C to +85° C
Relative Humidity	5% to 95% (non-condensing) ¹



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 12 V 500mA wall wart type power supply (for benign 0 to 50°C applications only. 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.