



Connect . Analyze . Transform

XE33 Series – Dual Cellular

Triple Redundant, high speed, rugged edge computing LTE Router

With triple redundant Data connectivity comprising of one Fast Ethernet WAN and Dual LTE Cat 4 WANs, Niseva Technologies XNET EDGE XE-33 Series aims to take connectivity speed and reliability to the next level.

Packed with a powerful dual core CPU, aided by intelligent programmable Linux based embedded software, host of Industrial protocols natively supported, and seamless integration with DNET, the XE-33 series is a perfect choice for Enterprise, Industrial and IOT deployments.



Speed and Redundancy



Security



Industrial Protocol Support



IOT Cloud Connectors



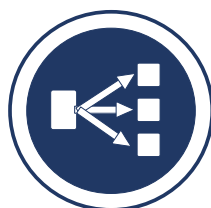
Scripting

Hardware Options

	Variants	
	XE33-1C	XE33-2C
RS 232	✓	✓
USB 3.0	✓	✓
LAN	✓	✓
WAN	✓	✓
PD-PoE	✓	✓
RTC	✓	✓
GNSS	✗	✓
LTE CAT 4	✓	✓✓



Dual Simultaneous 4G LTE



Advance Routing and VPN

Industrial Protocol Support

Modbus RTU Master
Modbus TCP Master
IEC 60870-5-101 Master / Slave
IEC 60870-5-104 Master / Slave
IEEE 62056-21 DLMS
DNP3 Slave

IOT Cloud Connectors

MQTT – MQTTS
FTP – FTPS
HTTP – HTTPS
TCP

Coming Soon : Azure, AWS, Cumulocity

XNET is an integrated Device Management and Data Management Platform aimed at managing mass deployments as well as providing data visualization, analytics, alerts, reports and 3rd party system integration.

Device Specifications

Hardware Interfaces for XE33-1C

2 X 1Gbps Ethernet LAN Ports
1 X 1Gbps Ethernet WAN Port
1 X Full RS232
1 X USB 3.0 type A for console access
1 X CAT 4 LTE Cellular
1 X Mini SIM
PD PoE over WAN interface

Additional interfaces for XE33-2C

1 X CAT 4 LTE Cellular
1 X Mini SIM
GNSS

Hardware Details

CPU- 880MHz Dual Core
Flash – 16MB, SD Card
RAM – 256MB

Cellular

LTE FDD: B1/B3/B7/B8/B20/B28
LTE TDD: B38/B40/B41
WCDMA: B1/B8
GSM: 900/1800MHz

Cellular Data Rates

LTE CAT 4:
LTE FDD: Max 150Mbps (DL)/Max 50Mbps (UL)
LTE TDD: Max 130Mbps (DL)/Max 30Mbps (UL)

UMTS:

DC-HSDPA: Max 42Mbps (DL)
HSUPA: Max 5.76Mbps (UL)
WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL)

GSM:

EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL)
GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)

LED

Power / Boot LED
Signal Strength
Device Network Registration
Cellular Data Activity
LAN / WAN Data activity

Power

11-28 VDC Max Power consumption:
XE33#1C – 6W& XE33#2C – 9W

Dimensions

145 X 127 X 37 mm
Weight 550 gms, IP 30

Operating Temperature

-40 to +70 degree Celsius

Routing Features

DHCP Server, DHCP Client, Static Routes, Traffic
Routing, Port Forwarding, Dynamic DNS, NAT

Performance Redundancy

Triple redundancy with 1 x Fast ethernet WAN and 2 x
Cat 4 LTE WAN
Simultaneous operation for all WANs and load
balancing or failover between WANs
Data Connectivity Watchdog and Hardware Watchdog

Security and Tunnelling

IPSec with IKEV1, IKEV2, Selectable encryption
schemes, Selectable Hash Algorithms and Dead Peer
Detection
OpenVPN Client, Open VPN Pass through
Zone Based Firewall
Stateful packet inspection and Sync Flood Protection
Sim Pin
Source / Destination IP address binding

Management

Web based local and remote configuration
SNMP V1, V2, V3
Integrated XNET support

Industrial Protocol support

Modbus Master
IEC 101 Master / Slave
IEC 104 Master / Slave
Modbus to IEC 104 Convertor
IEC 101 to IEC 104 Convertor
DNP3 Slave

Connectivity Protocols

TCP/UDP/FTP/HTTP/MQTT/NTP/ICMP/HTTPS*/SMTP*/
FTPS*/SMTPS*

Programming Capabilities

Linux Operating System
Development APIs
Python Scripting
Shell Scripting

For more details, Contact Niseva Technologies Pvt. Ltd.



sales@niseva.com

www.niseva.com

91 9820168224

