



XE-11 Series

Connect . Analyze . Transform

High speed, rugged edge computing LTE Router

Niseva Technologies XNET EDGE XE-11 Series aims to take connectivity speed and reliability to the next level. Small and compact Router provides the best in class product with 1 Ethernet port.

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 XNET Cloud, the XE series is a perfect choice for Enterprise, Industrial and IoT deployments.



Hardware Options

	XE11	XE11#232	XE11#485
LAN	✓	✓	✓
PD-PoE	✓	✓	✓
4G	✓	✓	✓
RS232	✗	✓	✗
RS485	✗	✗	✓

Advance Routing and VPN



Speed and Redundancy



Security



Industrial Protocol Support



IOT Cloud Connectors



```

1 model = Sketchup.active_model
2 selection = model.selection
3 edges = selection.grep(Sketchup::Edge)
4 outerEdges = []
5
6 edges.each do |edge|
7   faces = edge.faces
8   outerEdges << edge if faces.length <= 1
9 end #do
10
11 selection.clear
12 selection.add outerEdges

```

Scripting

Industrial Protocol Support

- Modbus RTU
- Modbus TCP
- IEC 60870-5-101
- IEC 60870-5-104
- IEEE 62056-21 DLMS

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 XE-11

1 X 1Gbps Ethernet LAN Ports
1 X CAT 4 LTE Cellular
1 X Mini SIM
PD PoE over WAN interface
RS232 or RS485

Hardware Details

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

Cellular

LTE FDD: B1/B3/B5/B8
LTE TDD: B34/B38/B39/B40/B41
TD-SCDMA: B34/B39
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:
XE11 – 6W

Dimensions

125mm X 110mm X 30mm
(excl. Antenna Connector)

Weight: 250 gms

Operating Temperature

-40 to +70 degree Celsius

Routing Features

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

Security and Tunnelling

IPSec with IKEV1, IKEV2, Selectable encryption schemes, Selectable Hash Algorithms and Dead Peer Detection
OpenVPN Client, Open VPN Pas through
OpenSSL
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
IEC 104 Master
Modbus to IEC 104 Converter
IEC 101 to IEC 104 Converter
OPC- UA (Planned)
Bacnet (Planned)

Connectivity Protocols

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

Programming Capabilities

Linux Operating System
Development APIs
Python Scripting
Shell Scripting

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