![XNET logo — Connect . Analyze . Transform]

Highly versatile, reliable compact and rugged edge computing LTE Modem

Niseva Technologies aims to significantly simplify and accelerate complex IOT deployments by bridging heterogenous systems with various different hardware interfaces and software protocols into one single standard based platform. XE-20 Modem series is a highly ruggedized and at the same time versatile, Intelligent and secure NB-Iot, CATM1, 2G Cellular edge computing device.

With most essential hardware interfaces available naively on the device, and support of Industrial protocols like ST, is a particularly suitable for Water Metering applications. Seamless integration with upto 16 ST meters, coupled with Niseva XNET platform ensures easy device setup, configuration, Device Management as well as Data Management.

Meter Reading

Industrial Automation

Device Specifications

Hardware Interfaces for XE-20-NB-ST
16 X channel ST water Meter
1 X USB 2.0 up to 480Mbps
1 X SIM 1.8V/3.0V
1 X SD Card Slot

Cellular
LTE CAT M:
B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/ B20/B25/B26/B27/B28/B66/B85
LTE CAT NB2: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/ B20/B25/B28/B66/ B71/B85
2G/EDGE : B1/B8

Data Rates
LTE CAT M:
DL – 588 Kbps, UL – 1119 Kbps
LTE CAT NB2:
DL – 127Kbps, UL-158.5 Kbps
LTE CAT NB1:
DL – 32 Kbps, UL-70 Kbps
EDGE: 296Kbps (DL)/236.8Kbps (UL)
GPRS: 107Kbps (DL)/85.6Kbps (UL)

Dimensions: Ultra compact form factor - 225 x 145 x 85 mm

Power Supply
240V AC or 8-32 VDC
Built-in Battery backup

Power Consumption
Sleep Mode: 3mW
Idle Mode: 80mW
LTE CATM1: 800mW
CAT NB: 610mW

Operating Temperature
-30 to 85 degree Celsius

External Hardware Watchdog
Cellular Network Watchdog
Box Open / Tamper detection

Operation Protocols
PPP, Telnet, SSH2, CoAP etc.

Plug and Play Software
AT Command support
Auto TCP - Server and Client Mode

LED Indicators
1XUser
1XNET
1XST
1XSTAT
1XCHRG
1XRUN

Ultra Compact Form Factor	*Wide LTE Coverage*
Last Gasp	*Industrial Protocols*

Industrial Protocol Support
Modbus Master/RTU
IEEE 62056-21 DLMS

IOT Cloud Connectors
MQTT – MQTTS
FTP – FTPS
HTTP – HTTPS
TCP, UDP, NTP, ICMP, SMTPS

For more details, Contact Niseva Technologies Pvt. Ltd.
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![niseva logo]

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.