

ETMPurple

SMART METER APPLICATIONS



The ETM-Purple product family of 2G/3G/4G wireless modems is designed for use with the smart electrical meters and data concentrator. In this configuration, the modem is housed inside the meter or data concentrator which both serves as a mechanical housing for the modem as well as a power-supply.

Customized mounting kits are available for many meter brands, which include the needed cable for power/communication and grommets for optimal installation

INTELLIGENT CELLULAR 2G/3G/4G TERMINALS FOR USE WITH SMART ELECTRICAL METERING

FEATURES

- Power failure alarm ("last gasp")
- Status and signal strength LED
- Watchdog
- Remote upgrade of configuration and software
- 5 - 35V Power input
- 2G, 3G and 4G support
- RS2323 and High Speed USB

BENEFITS

- Designed for the meters and data concentrators with RS232, RS485 or USB interface
- Power failure alarm ("last gasp") with super capacitor technology as option
- Provide remote access for billing data
- Maximize network coverage with 2G/3G and 4G (Cat1)
- ETM Web Office (EWO) cloud dashboard solution
- Compact design to fit inside meters or dataconcentrators



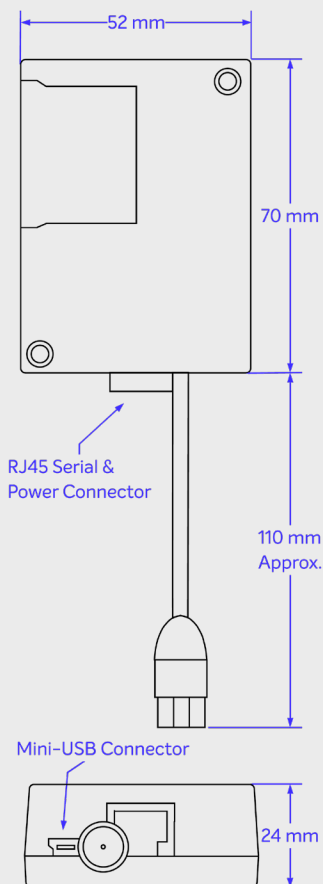
APPLICATIONS

- Automatic electrical meter reading
- Critical communication hub monitoring
- Sending SMS alarms from a PLC or PC
- Serial communications interface

INPUTS

- RS232 serialport
- USB 2.0 and power over USB
- FME or SMA antenna
- Power
- Mini SIM (2FF)

PHYSICAL DIMENSIONS



We also provide modem software for special applications like RS485/422 communication, threaded TCP/IP socket tunneling, serial to server, advanced event logging etc, please contact us for more information.

SPECIFICATIONS

Model	ETM-Purple 2G/3G/4G	ETM-Purple 2G/3G/4G Last Gasp
Part.no	71423	71426
RS232	RJ45 connector	Box head connector
Power	RJ45/USB	RJ12
USB	USB 2.0 and power over USB	
SIM	Mini SIM (2FF)	
Module	Cinterion ELS61-E Rel2	
Cellular	2G, 3G and 4G LTE: 700/800/900/1800/2100 MHz UMTS: 900/2100 MHz GPRS: 900/1800 MHz	
Data transmission	LTE (Cat 1)	DL:10.2 Mb/s, UL:5.2 Mb/s (max)
	HSPDA	DL:7.2 Mb/s, UL:5.76 Mb/s (max)
	EDGE	Yes
	GPRS	Yes
	SMS	Yes
	TCP/IP	Yes
	Java	Yes
Dimensions	72 x 52 x 23 mm	
Weight	67 g	
Power Consumption	400 mA (rated), <250 mA (transmitting) <35 mA (idle), <0.7 mA (sleep)	
Operating temp.	-30°C to +70°C	
Antenna	FME-M Connector (Two antenna cables as option on the 4G versions)	
NES DC1000 kit	Includes power cable, communication cable and M20 gland	
NES DCN3000 kit	Includes USB cable and antenna cable with rubber grommet	
L+G E550 meter kit	Includes power/com cable cable and holder with SMA-connector	

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