

>intelligent cellular 4G/3G/2G terminals  
with "last gasp" for use in smart metering<



## ETM-Purple<sup>2</sup>

The ETM Purple<sup>2</sup> product family is a range of LTE and UMTS wireless modems designed for use with a variety of serial devices, including energy meters, in order to provide a robust communication channel to back office systems. The ETM Purple<sup>2</sup> modem is compact, has a wide operating temperature range, and can be enabled with intelligent features making it an ideal choice for demanding applications.

- › Serial and/or USB interface
- › Power failure alarm ("last gasp") with super capacitor technology\*
- › Broad network coverage with options for 3G/2G and 4G/3G
- › Compact size
- › ETM Web Office (EWO<sup>\*\*\*</sup>) support.
- › Intelligent Operation Functions, JET Mode<sup>\*\*</sup>
- › Watchdog
- › Java™ ME 3.2 embedded



# ETM-Purple<sup>2</sup>



- > Java™ ME 3.2 embedded
- > Power failure alarm\*
- > Status and signal strength LEDs
- > Watchdog
- > Intelligent Operation, JET Mode\*\*
- > EWO support\*\*\*
- > 3G/2G and 4G/3G Variants

The ETM-Purple<sup>2</sup> are 3G/2G or 4G/3G serial modems that can be made available with "last gasp" to provide power failure alarms by utilizing super capacitors. In addition to standard AT interface the terminals can run JET code to provide TCP Tunnel, Serial to Server and other operational modes that allow easy deployment of IP connectivity to serial devices. Finally the modems have the ability to send status data to a server, such as ETM's EWO system to allow WEB based monitoring of unit status.

Model:	ETM-Purple <sup>2</sup> 3G PB	ETM-Purple <sup>2</sup> 4G AUS
Module:	Cinterion EHS6	Cinterion ELS61-AUS
Cellular Connectivity:	3G / 2G	3G / 4G
EWO support:	Yes	Yes
Frequency:		
- GSM	850/900/1800/1900 MHz	N/A
- UMTS	800/850/900/1900/2100 MHz	850/900/2100 MHz
- LTE	N/A	1800, 850, 900, 700 MHz
		Bands 3, 5, 8, 28
Data transmission:		
- LTE / 4G	No	LTE Cat.1
		DL: max. 10.2 Mbps, UL: max. 5.2 Mbps
- HSDPA	DL: max 7.2Mbit/s UL: max 5.76 Mbit/s	DL: max 7.2Mbit/s UL: max 5.76 Mbit/s
- EDGE	Class 12	Class 12
- GPRS	Class 12	Class 12
- CSD	Yes	Not Applicable
- SMS	Yes	Yes
- TCP/IP	Yes	Yes
Dimensions:	72x52x23 mm	
Weight:	70 g	
Power Supply:	5-35VDC (Minimum 7V for Last Gasp versions)	
Power consumption:	400 mA (rated), <250mA (transmitting), <35mA (idle), <0.7mA (sleep)	
Operating temp:	-30°C to +70°C	
Antenna:	FME M	
RS232::	serial connector (RJ45)	
Power:	RJ45 or power over USB (minimum 7V needed for last gasp versions)	
USB:	USB 2.0	

\* Only valid for variants with last gasp fitted \*\* JET Mode is embedded Java™ code providing special operational functionality such as TCP Tunnel and Serial to Server Modes, \*\*\*The EWO support (ETM Web Office) make it possible to remotely monitor the quality of service. Parameters like signal strength, cell, LAC etc are automatically sent to EWO at a regular basis.

Your chosen wireless carrier or infrastructure may not offer support for all described functionality - please contact us for technical qualification.

## ETM Mätteknik AB

Box 11096, Ekbacksvägen 32,  
SE-161 11 Bromma, Sweden

Tel: +46 (8) 25 28 75 E-mail: sales@etm.se, www.etm.se

## ETM Pacific Pty Ltd

Suite 6, 273 Alfred Street, North Sydney NSW 2060, Australia

Tel: +61 (0)2 9956 7377 E-mail: info@etmpacific.com.au, www.etmpacific.com.au

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