

Terminals for Professional and Industrial M2M Applications

Focus on the Core of Your M2M Applications

CEP's GSM and UMTS terminals are targeted towards professional and industrial M2M applications which require wireless connectivity provided in a robust and reliable casing.

By integrating terminals from CEP, you can fully focus on the core competencies required in your specific market or application area and avoid the cost of developing, testing and certifying terminal related functionality. The price/performance ratio is also designed to provide a positive business case even for high production volumes.

CEP terminals also enable you to cost-effectively enhance and upgrade existing installations with a wireless M2M interface.

The CEP portfolio offers a full range of products based on modules from Telit and Cinterion designed to meet key requirements placed by M2M applications upon terminals.

These include the choice of the mobile network technology and related frequency bands, hardware interfaces (RS232 & USB), support for audio functionality, and whether the terminal requires to be programmable and support I/O interfaces in order to facilitate advanced functionality.

Key Benefits

- Cost-attractive set of terminals that meet a wide range of application needs.
- Robust implementation to enable long-term multi-year operation even in environmentally challenging conditions.
- Easily swap 2G with 3G terminals when required by having a real migration path for these mobile network technologies.
- Use the programming capabilities of 3G terminals e.g. to facilitate a migration of any existing 2G installed base.

Key Features

- Modules based on Telit or Cinterion.
- Dual band and quad band support for 2G (GSM/GPRS).
- Dual band or penta band support for 3G (UMTS and HSPA/HSPA+).
- Industry standard RS232 interface on all products.
- USB 2.0 interface for UMTS devices to facilitate HSPA+ high-speed data transmission.
- Ultra-low power consumption mode in selected products for battery-powered applications.



Product Specification Overview

Categories	Features	GT864 E	GT864 Quad	GT864 PY	HT910 E	HT910 G	CT63 E	CT63	CT63 Java	HT63 E
Modules	Supplier	Telit	Telit	Telit	Telit	Telit	Cinterion	Cinterion	Cinterion	Cinterion
Category	Product Category	Basic 2G	Basic 2G	Advanced 2G	UMTS/HSPA	UMTS/HSPA	Basic 2G	Basic 2G	Advanced 2G	UMTS/HSPA
General	Part Number	06600	06001	06002	06301	06303	06500	06201	06203	06501
Air Interface	2G Frequency Band	2G Dual (900/1800 MHz)	2G Quad	2G Quad	2G Dual (900/1800 MHz)	2G Quad	2G Dual (900/1800 MHz)	2G Quad	2G Quad	2G Dual (900/1800 MHz)
	3G Frequency Band				3G Dual (900/2100 MHz)	3G Penta				3G Dual (900/2100 MHz)
	HSPA DL				7.2 Mbit/s	21 Mbit/s				7.2 Mbit/s
	HSPA UL				5.7 Mbit/s	5.7 Mbit/s				5.7 Mbit/s
Interfaces	RS232 Interface	D-Sub (9-pin)	D-Sub (9-pin)	D-Sub (9-pin)	D-Sub (9-pin)	D-Sub (9-pin)	D-Sub (9-pin)	D-Sub (9-pin)	D-Sub (9-pin)	D-Sub (9-pin)
	USB 2.0				Mini-USB	Mini-USB		Mini-USB		Mini-USB
	Audio (analogue)	Mini-USB	Mini-USB				Mini-USB			
	Antenna	FME	FME	FME	FME	FME	FME	FME	FME	FME
	LEDs	1 GSM + 2 Configurable	1 GSM + 2 Configurable	1 GSM + 2 Configurable	1 GSM + 2 Configurable	1 GSM + 2 Configurable	1 GSM	1 GSM	1 GSM + 2 Configurable	1 GSM + 2 Configurable
	Robust 1,8/3 Volt SIM Card Holder	●	●	●	●	●	●	●	●	●
Software	Programmable			Python	Python	Python			Java	Java
	Firmware Update	FOTA	FOTA	FOTA	FOTA	FOTA	Serial	Serial / USB	Serial	Serial / USB
	TCP/IP Stack	●	●	●	●	●	●	●	●	●
Input/Outputs	Analog Inputs			1	1	1			1	
	Digital Inputs			4					4	
	Outputs			1					1	
Electrical Characteristics	Voltage Range	5V - 32V	5V - 36V	5V - 36V	5V - 32V	5V - 32V	5V - 32V	5V - 32V	5V - 32V	5V - 32V
	Standby (@ 12V)	8.9 mA (*)	≈ 18 mA (*)	≈ 18 mA (*)	≈ 20 mA (*)	≈ 23 mA (*)	< 20 mA (*)	≈ 12 mA (*)	≈ 12 mA (*)	≈ 22 mA (*)
	Low Power Mode (@ 12V)	< 3 mA (*)			≈ 10 mA (*)	≈ 11 mA (*)	≈ 2 mA (*)	≈ 1 mA (*)	≈ 1 mA (*)	< 2 mA (*)
Hardware Characteristics	Operating Temperature	-30°C to +75°C	-30°C to +75°C	-30°C to +75°C	-30°C + 80°C	-30°C + 80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C
	Size	77x66x26 mm	77x66x26 mm	77x66x26 mm	77x66x26 mm	77x66x26 mm	77x66x26 mm	77x66x26 mm	77x66x26 mm	77x66x26 mm
	Weight	80g	80g	80g	80g	80g	80g	80g	80g	80g
Certificates	CE	●	●	●	●	●	●	●	●	●
	e1		●	●				●		
	FCC		●			●				

(*) Measurement averaged (including peaks) over a 1 min measurement interval.
Product specifications are subject to change without prior notice.

Accessories (exemplary)



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