Call Direct Cellular Solutions
UltraLite Intelligent Terminal

UltraLite Intelligent Terminal external view

The UltraLite Intelligent Terminal has been designed to allow the development of GSM and GPRS Machine to Machine applications.
The Intelligent Terminal combines a Sony Ericsson GM47/8 GSM/GPRS communications engine with an embedded micro-controller onto which application software can be loaded. This allows legacy systems that do not support GPRS directly to take advantage of the GPRS network.

The device is supplied with a real time operating system supporting co-operative multitasking, dynamic memory management, hardware drivers, PPP, TCP/IP and more. This greatly speeds time to market as developers can start writing their application code straight away without having to spend time developing low level support code.

Complete source code for the operating system and example applications are provided. The GNU GCC C/C++ compiler is supported along with the Atmel JTAG ICE debugger, this provides a very low cost yet high performance development environment.

Specifications

Communications engine:	Sony Ericsson GM47/8
Processor:	ATMEL ATMEGA128
Program space (Flash):	128kB
Data space (RAM):	36kB
Configuration space (EEPROM):	4kB
Operating System:	Nut/OS
Ethernet controller (Optional):	CS8900A 10Mbs
Power supply voltage:	DC 5-35V

UltraLite Intelligent Terminal internal view

Development Support

Call Direct Cellular Solutions can provide optional software and hardware development support as required.

Software License

Source and object code included in the UltraLite Intelligent Terminal development kit is supplied on the following terms:-

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