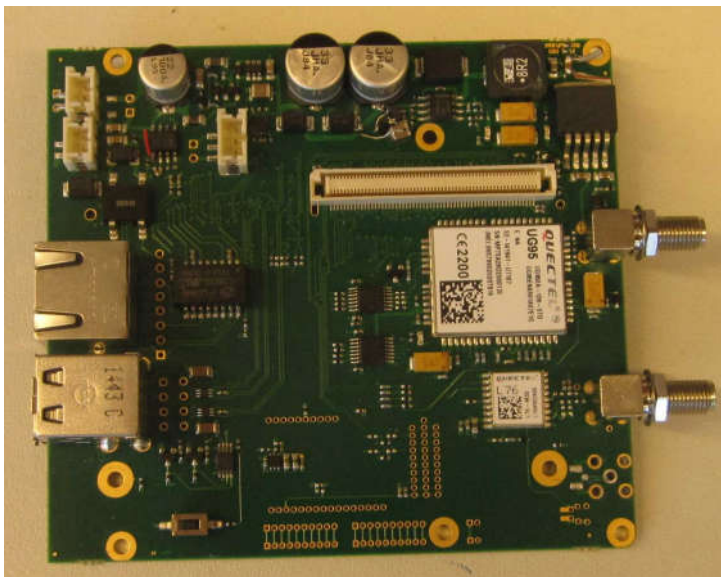




U303 carrier with wireless 3G /GSM /WiFi/GPS and ISM Router

Embedding IoT connectivity

Description



The U303 module is a compact low power ruggedized SMARC carrier board with support for 3G/GSM, GPS, and ISM module for 898Mhz /2.4Ghz /5Ghz WiFi, BT/BTLE and ISM wireless connections to IoT local cloud networks, external connector interfaces for Ethernet, 2*USB, and optional external I/O for analogue input, pulse, flow, gas or strain gauge sensors using ISM module

The U303 uses 9-48V vehicle power input, has internal battery backup option and is optimized to provide a reliable mobile or fixed wireless or wired gateway hub in remote data acquisition or control applications.

Highlights

CPU	SMARC socket for U230 1Ghz CPU	Operating Systems	Linux or other
USB connector	2* USB 2.0 From cpu board	Wireless interfaces	3G/GSM/GPRS 2.4Ghz / 5Ghz WiFi 802.11 a/b/g/n Bluetooth 3.0/ 4.1/ Smart GPS, Glonass or Beidou ISM 2.4Ghz or 868Mhz
Ethernet	100Mb/s with PoE	Cable sensor inputs	ISM socket defined Analogue or digital with internal AFE options.
USB	USB 2.0 to 3G modem USB 2.0 to ISM socket	Board size	100*90*25 mm+antennas
Serial Ports	ISM socket defined	Environment spec	-40 to +60, IP65
Power	9-48V, 2-3 W 802.3af PoE + Solar Cells DC (Internal LiPo UPS)		

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