GSM/GPRS Modem

Sierra Wireless Airlink Fastrack Xtend EDGE (FXT009)

The Sierra Wireless AirLink™ FXT EDGE programmable modem offers quad-band EDGE connectivity in a ruggedized, encased form factor with external connections.

It allows for integration in a wide range of industrial equipment as an alternative to a full module integration, and eliminates the need for full regulatory and network operator certification. In addition, when integrated with the AirVantage services platform it can also be used as part of a full M2M solution.

It features an open-standard expansion card interface, enabling you to add additional IO connectivity or features like GPS, WiFi, Bluetooth, Zigbee and more. Use Sierra Wireless expansion cards or develop your own.

Available off-the-shelf expansion cards from Sierra Wireless include:

- Expansion card GPS+IO
- Expansion card Ethernet
- Expansion card RS485+IO

Key Features:

- ARM 946, 32-bit, 104Mhz processor equipped with Open AT(R) real-time operating system
- Quad-band EDGE connectivity for 850, 900, 1800 and 1900MHZ frequency bands
- Supports GSM, GPRS, EDGE and CSD
- Full IPR protection

Key Benefits:

- Unparalleled expandability
- Fully programmable ARM9 processor, programmable in C/C++ or Lua
- Sierra Wireless Software Suite
- Rugged embedded SIM available for reliable operation in harsh environments
- Compatible with AirVantage services platform

Specification:

Air Interface	EDGE GPRS GSM
Frequency Bands	850/900/1800/1900 MHz
Approvals	R&TTE, CE, GCF, FCC, PTCRB
Alarm Power	400uA
Standby and Idle Power	2.5mA
GSM GPRS Max Power	400mA
CPU Processor Performance	ARM946/DSP
CPU Core Frequency Performance	104MHz (26MHz)
CPU User MIPS Available Performance	87MIPS
CPU IO Voltage Performance	2.5-15V
CPU Analog Audio Performance	1 x speaker out - 1 x micro in
Codec	HR, FR, EFR, AMR
Quality	VDA2A
Echo Cancellation and Noise Reduction	Yes (high)
DTMF	Yes
UART	2 (1 on internal expansion connector)
USB	1
SPI	2 on internal expansion connector
I2C	No
ADC	1 on internal extension connector
DAC	1 on internal extension connector
RTC	yes
Timers	yes
Interrupts Pins	1 on internal expansion connector
Flash LED Output	Network

PWM Buzzer	No
Keyboard Interface	No
SIM Interface	SIM socket (1.8V/3V)
Antenna Diversity	No
Embedded SIM	Yes
Operating Systems	Linux Windows
Device Management	Yes
Drivers	Linux Windows
Device Dimensions	89x60x30mm
Operational Temperature	-30 to +75

Dealer:

Procontrol Elektronika Kft.
www.procontrol.hu