

# SIERRA WIRELESS FASTRACK XTEND



## INTRODUCTION

The Fastrack Xtend contained programmable gateways supporting EGSM/GPRS/EGDE 850/900/1800/1900 quad band, WCDMA 850/1900/2100 and CDMA2000 1XRTT (IS-2000) that is especially designed for M2M systems.

The Fastrack Xtend also offers an Expansion Card interface accessible for customer use. Expanding application features is easy by simply plugging in an Expansion Card.

Fully certified, the Fastrack Xtend offers quad band 850/900/1800/1900 MHz GPRS and EGPRS Class 10 (12\*) capabilities, Tri Band WCDMA/FDD (850/1900/2100) (Band I, II, V) UMTS / HsxPA.

### **Key Benefits:**

- Unparalleled expandability
- Processing capability
- programmable with **MOBITEK SMS Gateway Development Kit** (Type SGDK only)
- Plug-and-play functionality

## CONTENTS OF PACKAGE

1. Modem
2. USB or RS-232 cable
3. Antenna
4. Power Adapter
5. CD

**MOBITEK** System Sdn .Bhd. (207015-D)

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Edition no. 5

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## TABLE OF SPECIFICATIONS

FEATURES	FXT001	FXT003	FXT009
<b>AIR INTERFACE</b>	GSM/GPRS	HSPxA	GSM/GPRS/EDGE
<b>FREQUENCY BANDS</b>	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900
<b>COM PORT</b>	USB & SERIAL	USB & SERIAL	USB & SERIAL
<b>APPROVALS</b>	R&TTE, CE, GCF, FCC, PTCRB, China RTE	R&TTE, CE, GCF, FCC, PTCRB, China RTE	R&TTE, CE, GCF, FCC, PTCRB, China RTE, AT&T
<b>POWER ALARM</b>	400uA	400uA	400uA
<b>STANDBY AND IDLE</b>	2,5mA	2,5mA	2,5mA
<b>GSM/GPRS max</b>	400mA max (GPRS class 10 33dBm)	400mA max (GPRS class 10 33dBm)	400mA max (GPRS class 10 33dBm)
<b>HSxPA max</b>	N/A	N/A	HSxPA max
<b>CPU PROCESSOR</b>	ARM946 / DSP	ARM946 / DSP	ARM946 / DSP
<b>CPU CORE FREQUENCY</b>	104 MHz / 26 MHz	104 MHz / 26 MHz	104 MHz / 26 MHz
<b>USER MIPS AVAILABLE</b>	87 MIPS	87 MIPS	87 MIPS
<b>ANALOG AUDIO</b>	1 x speaker out -1 x micro in	1 x speaker out -1 x micro in	1 x speaker out -1 x micro in
<b>DIGITAL AUDIO</b>	with expansion card	with expansion card	with expansion card
<b>AUDIO CODEC</b>	HR, FR, EFR, AMR	HR, FR, EFR, AMR	HR, FR, EFR, AMR
<b>AUDIO QUALITY</b>	VDA2A	VDA2A	VDA2A
<b>ECHO CANCELLATION AND NOISE REDUCTION</b>	HIGH	HIGH	HIGH
<b>DTMF</b>	YES	YES	YES
<b>UART</b>	2(1 on internal expansion connector)	2(1 on internal expansion connector)	2(1 on internal expansion connector)
<b>USB</b>	1	1	1
<b>ON OFF</b>	YES	YES	YES
<b>Vref</b>	2,6V-15V	2,6V-15V	2,6V-15V
<b>SPI</b>	2 on internal expansion connector	2 on internal expansion connector	2 on internal expansion connector
<b>ADC</b>	1 on internal expansion	1 on internal expansion connector	1 on internal expansion connector

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FEATURES	FXT001	FXT003	FXT009
	connector		
<b>DAC</b>	1 on internal expansion connector	1 on internal expansion connector	1 on internal expansion connector
<b>GPIO</b>	2 (2,6V-15V) + 7 on internal expansion connector	2 (2,6V-15V) + 7 on internal expansion connector	2 (2,6V-15V) + 7 on internal expansion connector
<b>RTC</b>	YES	YES	YES
<b>TIMERS (HW, SW, Capture)</b>	YES	YES	YES
<b>INTERRUPT PINS</b>	1 on internal expansion connector	1 on internal expansion connector	1 on internal expansion connector
<b>FLASH LED OUTPUT</b>	Network	Network	Network
<b>SIM INTERFACE</b>	SIM socket (1,8V/3V)	SIM socket (1,8V/3V)	SIM socket (1,8V/3V)
<b>EXPANSION CARD</b>	YES	YES	YES
<b>BATTERY</b>	OPTIONAL	OPTIONAL	OPTIONAL
<b>ANTENNA DIVERSITY</b>	N/A	YES	N/A
<b>LOCATION SOLUTION</b>	Expansion card	Expansion card	Expansion card
<b>EMBEDDED SIM</b>	YES	YES	YES
<b>CONTROL OPTIONS</b>	AT commands, C/C++ language, Lua Script	AT commands, C/C++ language, Lua Script	AT commands, C/C++ language, Lua Script
<b>OPERATING SYSTEM</b>	OPEN AT	OPEN AT	OPEN AT
<b>MANAGEMENT SERVICES</b>	YES	YES	YES
<b>USB DRIVERS</b>	WINDOWS XP, WINDOWS 7, WINDOWS VISTA, MAC OS. 32 bit only	WINDOWS XP, WINDOWS 7, WINDOWS VISTA, MAC OS. 32 bit only	WINDOWS XP, WINDOWS 7, WINDOWS VISTA, MAC OS. 32 bit only
<b>DEVICE DIMENSIONS</b>	89 x 60 x 30 mm	89 x 60 x 30 mm	89 x 60 x 30 mm
<b>OPERATIONAL TEMPERATURE</b>	-30°C to +75°C	-30°C to +75°C	-30°C to +75°C

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