

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DIGI XBEE³ CELLULAR LTE-M DEVELOPMENT KIT

Digi XBee3 Cellular LTE-M development kit provides OEMs with a simple, quick way to integrate cellular connectivity into their devices.

The new Digi XBee3™ Cellular embedded smart modem brings together the power and flexibility of the Digi XBee ecosystem with the latest in 4G cellular technology. OEMs can quickly integrate cutting edge 4G cellular into their devices and applications, eliminating the painful, time-consuming and expensive FCC and carrier end-device certification process.

Digi's XBee3 Cellular development kit offers a great way to learn how to integrate cellular connectivity using Digi XBee3 embedded modems. Starting with simple examples, we provide step-by- step guidance as you assemble the kit components to create reliable, low-power cellular communications for OEM devices like sensors and control/monitoring systems. The kit will include 6 months of free cellular data service, pre-activated and ready to go, right out of the box, allowing developers to immediately focus on their primary goal; developing great products without the hassle of ordering and provisioning a SIM and setting up a data plan.

This kit is designed for anyone interested in getting started in the world of embedded cellular. Hardware and software engineers, corporate technologists, or educators and students can quickly learn more about cellular integration using the hands-on examples included in the kit.

With the full suite of standard Digi XBee API frames and AT commands, existing XBee customers can seamlessly transition

The Kit Includes:

- ✓ 1 Digi XBee3 Cellular LTE-M embedded modem
- ✓ 1 Digi XBee3 development board
- ✓ 1 LTE-M SIM for AT&T
- ✓ 6 months of free cellular service*
- ✓ Antennas and power supply

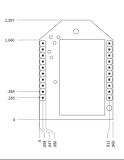
NUM	BER	DESCRIPTION
XK3-0	-A2-UT-U	Digi XBee3 Cellular LTE-M Development Kit, AT&T

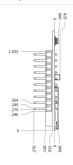
*Service will be limited to ~5MB/month and limited SMS. For testing purposes only, not for production.

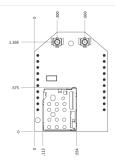
to this new embedded modem with only minor software adjustments. When OEMs add Digi XBee3 Cellular to their design, they create a future-proof design with flexibility to switch between wireless protocols or pivot to CAT-1 or NB-IoT as those networks become more widely deployed—making Digi XBee3 ideal for any OEM business with an agile roadmap.



SPECIFICATIONS	Digi XBee3™ Cellular Smart Modem, LTE-M		
HARDWARE			
CELLULAR CHIPSET	u-blox SARA-R410M		
FORM FACTOR	Digi XBee 20-pin through-hole		
ANTENNA OPTIONS	1 U.FL (Cellular), 1 U.FL (Bluetooth)		
DIMENSIONS	24.38 mm x 32.94 mm		
OPERATING TEMPERATURE	-40° C to +85° C		
SIM SIZE	4FF Nano		
INTERFACE AND I/O			
DATA INTERFACE	UART, SPI, USB		
OPERATING MODES	Transparent and API over serial, PPP over USB or Serial		
SECURITY	Digi TrustFence® security with Secure Boot and Protected JTAG		
CONFIGURATION TOOLS	Digi XCTU (Local), Digi Remote Manager (OTA)		
EMBEDDED PROGRAMMABILITY	MicroPython with 32 KB Flash / 32 KB RAM		
I/O	4 ADC lines (10-bit), 13 Digital I/O, USB, I2C		
BLUETOOTH	Bluetooth LE Ready		
CELLULAR CHARACTERISTICS			
TRANSMIT POWER	Up to 23 dBm		
RECEIVE SENSITIVITY	-105dBm		
CARRIER APPROVALS	AT&T End Device Certified Verizon End Device Certification Bell End Device Certification (Pending) Telus End Device Certification (Pending) Compatible with other LTE-M carriers, see band support		
SUPPORTED BANDS	Bands 1, 2, 3, 4, 5, 8, 12, 13, 17, 19, 20, 25, 26, 28 and 39		
DOWNLINK/UPLINK SPEEDS	Up to 375 kb/s		
DUPLEX MODE	Half-Duplex		
POWER REQUIREMENTS (AT 3.3VDC INPUT POWER)			
SUPPLY VOLTAGE	Standard Version: 3.3-4.3VDC; Extended Input Range*: 2.8 to 5.5VDC		
PEAK TRANSMIT CURRENT	Standard Version: 550mA w/ Bluetooth disabled; 610mA w/ Bluetooth enabled Extended Input Range: 800mA w/ Bluetooth disabled; 860mA w/ Bluetooth enabled		
AVG TRANSMIT CURRENT	235mA		
POWER SAVE MODE	Standard Version: 20uA Extended Input Range*: 60uA		
DEEP SLEEP	10uA		
REGULATORY AND CARRIER APPROVALS			
FCC (USA)	MCQ-XB3M1		
IC (CANADA)	1846A-XB3M1		
VERIZON END-DEVICE CERTIFIED	Complete		
AT&T END-DEVICE CERTIFIED	Complete		
PTCRB	Complete		









It's the easy and fast way to build a wireless cellular device using Digi's XBee modules. To learn more visit www.digi.com/xbeecellular.

