

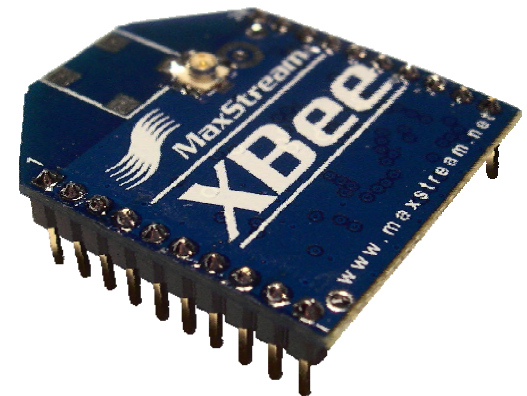
MaxStream's ZigBee/802.15.4 Products

XBee OEM Products

XBee low-cost module
Available Now!

Development kit part number
XB24-DK

Module part number
XB24-AWI-001
XB24-ACI-001
XB24-AUI-001
**Pricing subject to change.*



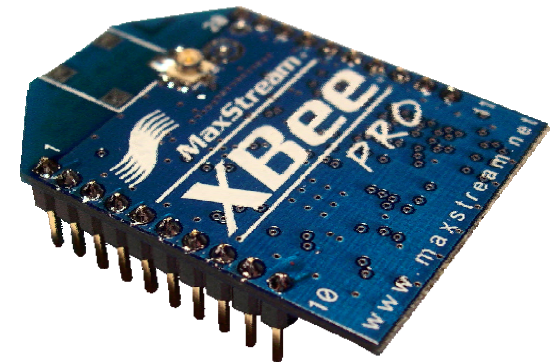
MaxStream's ZigBee/802.15.4 Products

XBee-PRO OEM Products

XBee high-power module
Available Now!

Development kit part number
XB24-DK

Module part number
XBP24-AWI-001
XBP24-ACI-001
XBP24-AUI-001
**Pricing subject to change.*



MaxStream's ZigBee/802.15.4 Products

XBee-to-MaxStream Bridge

Availability

Q3 2005

Part number:

n/a

Target price point

n/a



AT Command Set

Appendix A

CH	Networking	Channel	Set/Read the channel number used for transmitting
ID	Networking	Pan ID	Set/Read the Pan (Personal Area Network) ID.
DH	Networking	Destination Address High	Set/Read the Destination Address (High 32 bits).
DL	Networking	Destination Address Low	Set/Read the Destination Address (Low 32 bits).
MY	Networking	16-bit source address	Set/read the 16 bit source address for the modem.
RN	Networking	Random Delay Slots	Set/Read the minimum value of the back-off exponent in the CSMA-CA algorithm that is used for collision avoidance.
SH	Networking	Serial Number High	Read high 32-bits of unique serial number of the module.
SL	Networking	Serial Number Low	Read low 32-bits of unique serial number of the module.
SM	Sleep	Sleep Mode	Set sleep mode
ST	Sleep	Time Before Sleep	Sets time period of inactivity before activating Sleep Mode - Only valid with Cyclic Sleep setting.
SP	Sleep	Sleep Period Duration	Set sleep period for cyclic sleeping remotes. Maximum sleep period is 268 seconds (0x68B0).
BD	Serial Interfacing	Baud Rate	Set/read the serial interface baud rate for communication between modem serial port and host.
RO	Serial Interfacing	Packet Control Time	Set/read number of character times of inter-character delay required before transmission.
DB	Diagnostics	Received Signal Strength	Read signal level [in dB] of last good packet received (RSSI). Absolute value is reported. Reported value is accurate between -40dm and RX sensitivity.
ED	Diagnostics	Energy Detection Scan	Set/Read the energy detection scan.
PO	Diagnostics	PWM0 Configurations	Select/Read function for PWM0.
RP	Diagnostics	RSSI PWM Timer	Enable a PWM (pulse with modulation) output which shows RX signal strength.
VR	Diagnostics	Firmware Version	Read modem firmware version number.
PL	RF Interfacing	Power Level	Select/Read power level at which the module transmits.
CN	AT Command Options	Channel	Set/Read the channel number used for transmitting and receiving between modules.
CT	AT Command Options	Time Out from Command Mode	Set/read command mode timeout parameter.
GT	AT Command Options	Command Guard Time	Set required period of silence before and after the Command Mode Characters of the Command Mode Sequence.
CC	AT Command Options	Command Mode Character	Set/read character value to be used to break from data mode to command mode
RE	Special	Restore defaults	Restore module parameters to the factory default configuration.
WR	Special	Write	Write parameter values to module's non volatile memory so that modifications persist through subsequent power-up or reset.

Pin Assignments

Appendix B

1	VCC	-	Power Supply
2	DOUT	Output	UART Data Out
3	DIN	Input	UART Data In
4	CD/DOUT_EN/DO8	Output	Carrier Detect, RS-485 TX_enable or Digital Output 8
5	~RESET	Input	Module Reset (low asserted)
6	PWMO/RSSI	Output	RX Signal Strength PWM output (if enabled)
7	[reserved]	-	Do not connect
8	[reserved]	-	Do not connect
9	DTR/SLEEP_RQ/D18	Input	Pin Sleep Control Line or Digital Input 8
10	GND	-	Ground
11	AD/DIO4/RF_TX	Either	Analog Input 4, Digital I/O 4 or Transmission Indicator Output
12	DIO7/~CTS	Either	Digital I/O 7 or Clear-to-Send Flow Control Output
13	ON/~SLEEP	Output	Module Awake Status Indicator Output
14	VREF	Input	Voltage Reference for A/D Inputs
15	AD5/DIO5/Associate	Either	Analog Input 5, Digital I/O 5 or Associated Indicator Output
16	AD6/DIO6/~RTS	Either	Analog Input 6, Digital I/O 6 or Request-to-Send Flow Control Input
17	AD3/DIO3/COORD_SEL	Either	Analog Input 3, Digital I/O 3 or Coordinator Select Input
18	AD2/DIO2	Either	Analog Input 2 or Digital I/O 2
19	AD1/DIO1	Either	Analog Input 1 or Digital I/O 1
20	AD0/DIO0	Either	Analog Input 0 or Digital I/O 0

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Questions

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