

XBee Specifications

PERFORMANCE	
Power Output:	60 mW (18 dBm), 100 mW EIRP*
Indoor/Urban Range:	up to 300' (100m)
Outdoor/RF Line-of-sight Range:	up to 1 mile (1.6km)
RF Data Rate:	250 Kbps
Interface Data Rate:	up to 115.2 Kbps
Receiver Sensitivity:	-100 dBm
NETWORKING	
Spread Spectrum Type:	DSSS (Direct Sequence Spread Spectrum)
Networking Topology:	Point-to-point & point-to-multipoint
Error Handling:	Automatic Retries & acknowledgements
Filtration Options:	PAN ID, channel and addresses
Channel Capacity:	13 Direct Sequence Channels
Addressing:	65,000 network addresses available for each channel
Encryption:	128-bit AES
POWER	
Transmit Current:	270 mA (@ 3.3 V)
Receive Current:	55 mA (@ 3.3 V)
Power-down Sleep Current:	<10 μ A
GENERAL	
Frequency Band:	2.4000 - 2.4835 GHz
PHYSICAL PROPERTIES	
Antenna Options:	U.FL RF connector, chip antenna, or whip antenna
Operating Temperature:	-40 to 85° C (industrial)
CERTIFICATIONS:	
United States (FCC):	OUR-XBEEPRO
Canada (IC):	4214A-XBEEPRO
Europe (CE):	ETSI
Class 1 Division 2:	Approved

* When operating in Europe: XBee-PRO Modules must be configured to operate at a maximum TX power output level of 10 dBm . Additionally, European regulations stipulate an EIRP power maximum of 12.86 dBm (19 mW).