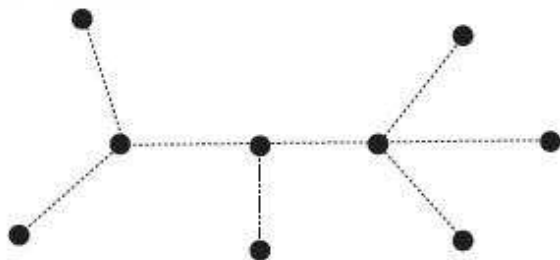


Platform	XBee® DigiMesh® 2.4	XBee-PRO® DigiMesh® 2.4	XBee-PRO® DigiMesh® 2.4 (Int'l)
Performance			
RF Data Rate	250 Kbps		
Indoor/Urban Range	100 ft (30 m)	300 ft (90 m)	200 ft (60 m)
Outdoor/RF Line-of-Sight Range	300 ft (90 m)	1 mile (1.6 km)	2500 ft (750 m)
Transmit Power	1 mW (+0 dBm)	63 mW (+18 dBm)	10 mW (+10 dBm)
Receiver Sensitivity (1% PER)	-92 dBm	-100 dBm	
Features			
Serial Data Interface	3.3V CMOS serial UART		
Configuration Method	AT & API		
Frequency Band	2.4 GHz ISM		
Interference Immunity	DSSS (Direct Sequence Spread Spectrum)		
Serial Data Rate	Up to 115.2 Kbps		
ADC Inputs	(6) 10-bit ADC inputs		
Digital I/O	13		
Antenna Options	Chip, Wire whip, U.FL, RPSMA		
Networking & Security			
Encryption	128-bit AES		
Reliable Packet Delivery	Retries/Acknowledgments		
Addressing Options	PAN ID, Channel, 64-bit address		
Channels	16	12	
Power Requirements			
Supply Voltage	2.8 – 3.4VDC		
Transmit Current	45 mA	250 mA (Wire, Chip, U.FL), 340 mA (RPSMA)	150 mA (Wire, Chip, U.FL), 180 mA (RPSMA)
Receive Current	50 mA	55 mA	
Power-Down Current	<50 uA		

ZigBee Mesh



DigiMesh

