

SPECIFICATIONS	Digi XBee® Wi-Fi (S6B)
FEATURES	
SERIAL DATA INTERFACE	UART up to 1 Mbps, SPI up to 6 Mbps
CONFIGURATION METHOD	API or AT commands
FREQUENCY BAND	ISM 2.4 GHz
ADC INPUTS	4 (12-bit)
DIGITAL I/O	10
FORM FACTOR	Through-Hole, Surface Mount
ANTENNA OPTIONS	Through-Hole: PCB (Embedded), U.FL, RPSMA, Integrated Wire; SMT: PCB (Embedded), U.FL, RF Pad
OPERATING TEMPERATURE	-30° C to +85° C
DIMENSIONS (L X W)	Through-Hole: 0.960 in x 1.297 in (2.438 cm x 3.294 cm); SMT: 0.87 in x 1.33 in x 0.12 in (2.20 cm x 3.40 cm x 0.30 cm)
NETWORKING AND SECURITY	
SECURITY	WPA-PSK,WPA2-PSK and WEP
CHANNELS	13 channels
WIRELESS LAN	
STANDARD	802.11b/g/n
DATA RATES	1 Mbps to 72 Mbps
MODULATION	802.11b: CCK, DSSS; 802.11g/n: OFDM with BPSK, QPSK, 16-QAM, 64-QAM
TRANSMIT POWER	Up to +16 dBm (+13 dBm for Europe/Australia/Brazil)
RECEIVER SENSITIVITY	-93 to -71 dBm
POWER REQUIREMENTS	
SUPPLY VOLTAGE	3.14 - 3.46 VDC
TRANSMIT CURRENT	Up to 309 mA
RECEIVE CURRENT	100 mA
POWER-DOWN CURRENT	<6 μA @ 25° C
REGULATORY APPROVALS	
FCC (USA)	Yes
IC (CANADA)	Yes
CE/ETSI (EUROPE)	Yes
C-TICK (AUSTRALIA)	Yes
TELEC (JAPAN)	Yes
ANATEL (BRAZIL)	Yes

PART NUMBERS	DESCRIPTION
XB2B-WFPS-001	Digi XBee Wi-Fi (S6B), PCB Antenna, SMT
XB2B-WFRS-001	Digi XBee Wi-Fi (S6B), RF Pad Antenna, SMT
XB2B-WFUS-001	Digi XBee Wi-Fi (S6B), U.FL Antenna, SMT
XB2B-WFPT-001	Digi XBee Wi-Fi (S6B), PCB Antenna, Through-Hole
XB2B-WFUT-001	Digi XBee Wi-Fi (S6B), U.FL Antenna, Through-Hole
XB2B-WFWT-001	Digi XBee Wi-Fi (S6B), Wire Antenna, Through-Hole
XB2B-WFST-001	Digi XBee Wi-Fi (S6B), RPSMA Antenna, Through-Hole

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