Xbee SX information: Comparison between Xbee Pro and Xbee general model.

Range and Performance:

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| **Feature** | **Xbee SX** | **Xbee SX Pro** |
| Frequency Range | ISM 902 To 928 Mhz | ISM 902 To 928 Mhz |
| Transmit Power (Software Selectable) | Up To 13 Dbm | Up To 30 Dbm\* |
| Channels | 10 Hopping Sequences Share 50 Frequencies | 10 Hopping Sequences Share 50 Frequencies |
| Maximum Data Throughput | High Data Rate: 120 Kb/S | High Data Rate: 120 Kb/S |
| Available Channel Frequencies | Low And Middle Data Rate: 101\*\*; High Data Rate: 50 | Low And Middle Data Rate: 101\*\*; High Data Rate: 50 |
| Receiver RF Selectivity | Below 900 Mhz And Above 930 Mhz; > 50 Db | Below 900 Mhz And Above 930 Mhz; > 50 Db |
| Rural Range Line Of Sight | Low Data Rate: Up To 14.5 Km (9 Mi) | Low Data Rate: Up To 105 Km (65 Mi) |
| Urban Range Line Of Sight | Low Data Rate: Up To 2.5 Km (1.5 Mi) | Low Data Rate: Up To 18 Km (11 Mi) |
| Indoor Range | Low Data Rate: Up To100 M (330 Feet) | Low Data Rate: Up To 300 M (1,000 Feet) |
| Receiver Sensitivity | Low Data Rate: -113 Dbm; Middle Data Rate: -106 Dbm; High Data Rate: -103 Dbm | |
| Receiver Selectivity | Low Data Rate, +/- 250 Khz: 40 Db; Low Data Rate, +/- 500 Khz: 50 Db Middle Data Rate, +/- 250 Khz: 30 Db; Middle Data Rate, +/- 500 Khz: 40 Db High Data Rate, +/- 500 Khz: 30 Db; High Data Rate, +/- 1000 Khz: 45 Db | |
| RF Data Rate | Low Data Rate: 10 Kb/S; Middle Data Rate: 110 Kb/S; High Data Rate: 250 Kb/S | |

Power Requirements

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| **Feature** | **Xbee SX** | **Xbee SX Pro** |
| Supply Voltage | 2.4 To 3.6 Vdc, 3.3 V Typical | 2.6 To 3.6 Vdc, 3.3 V Typical |
| Receive Current (Vcc = 3.3 V) | 40 Ma | 40 Ma |
| Transmit Current (Vcc = 3.3 V) | 55 Ma @ 13 Dbm; 45 Ma @ 10 Dbm; 35 Ma @ 0 Dbm | 900 Ma @ 30 Dbm; 640 Ma @ 27 Dbm; 330 Ma @ 20 Dbm |
| Sleep Current (Vcc = 3.3 V) | 2.5 Ua | 2.5 Ua |
| Maximum Input Rf Level At Antenna Port | 6 Dbm | 6 Dbm |
| Operating Temperature | -40° C To 85° C | -40° C To 85° C |