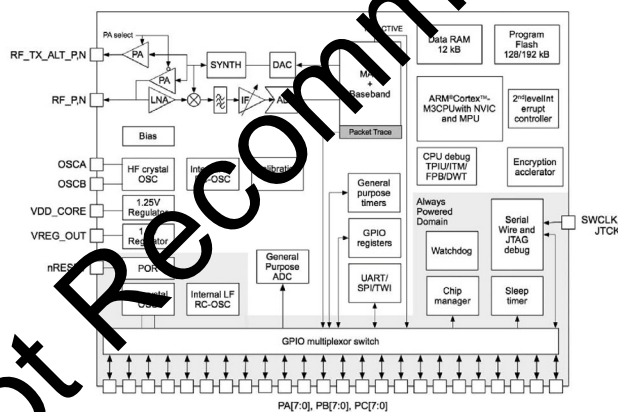




**Selected Electrical Specifications**

Parameter	Value
<b>General Characteristics</b>	
Deep Sleep Current	0.7 $\mu$ A max (with timer)
RX Current	25 mA
TX Current	31 mA at +3 dBm
Crystal Frequency	24 MHz
Operating Temperature Range	-40 to 85 $^{\circ}$ C
Voltage	2.1 to 3.6 V
Package	7 mm x 7 mm, 48-Pin QFN
<b>RF Characteristics</b>	
Data Rate	250 kbps
Frequency	2400 to 2510 16 total 5 MHz Channels
RX Sensitivity	-100 dBm (Normal mode) -102 dBm (Boost mode)
Adjacent Channel Rejection	35 dB
Alternate Channel Rejection	43 dB
802.11g Rejection	35 dB
TX Power	-32 dBm to +5 dBm (Normal Mode) -32 dBm to +8 dBm (Boost Mode)
Total Link Budget	Up to 110 dB
<b>Micro Characteristics</b>	
Flash	
EM351	128 kB
EM357	192 kB
RAM	12 kB

**Functional Block Diagram**



**EM35x Series**

