

1 Specification for WLAN CF embedded module

1.1 Identification

1.Samsung Product name	11Mbps WLAN CF embedded module
2.Samsung Model name	SWL-2350C
3.Samsung Part number	WCLF2CKR00M
	Label Serial NO : TCKRxx-xxxxxxxxxx

1.2 Hardware Specifications

1.2.1 Card standard

1. CF Interface Standard	Compact Flash Specification electrically compliant
2. Form Factor	Customized Size
3. Operating voltage	3.3 V \pm 5%

1.2.2 RF Characteristics

RF Characteristics	Min	Typ	Max
1.Main IC	TI TNETW1100B		
2.Specification Compliance	IEEE 802.11b standard protocol (CSMA/CA)		
3. Antenna	External single antenna support		
4. TX output power	14dBm (25mW)	16dBm(40mW)	20dBm (100mW)
5. Current consumption (At max Throughput)		- Transmit : 300mA - Receive : 220mA	- Transmit : 320mA - Receive : 250mA
6.Adjacent Channel Rejection	35dB		
7. RX sensitivity		- 84dBm	- 82dBm
8. Coverage	- Open Space : 150m(500ft) at 11Mbps, 200m(660ft) at 2Mbps - Closed Office: 30m(100ft) at 11Mbps, 50m(160ft) at 2Mbps		

Note : Sensitivity based upon 1024 Bytes frame length, 11 Mbps data rate, 8% PER

1.2.3 Mechanical

1. Dimension	23mm × 23mm × 3.5mm
2. Weight	3g
3. Interface Connector	SMT, Dual Row Vertical Stacking Board-to-Board Plug, 50pin (NAIS, AXK850145) ⇒ Mated with AXK750145
4. Antenna Connector	CL331-0471-3-10 (Hirose U.FL Series)

