

SDC-PC20G 802.11g PCMCIA Card with Integrated Antenna



The SDC-PC10G provides all key Summit [hardware](#) and [software](#) capabilities in the time-tested PCMCIA (PC Card) form factor. As a result, the SDC-PC10G is ideal for integration into legacy application specific devices like portable data terminals, portable printers and medical devices.

Please review the below data sheet for complete device specifications. A product brief in PDF format that includes key hardware and software capabilities and device specifications may also be [downloaded](#).


SDC-PC20G Specifications


System Interface	16-bit PCMCIA Type II with 68-pin connector
Antenna	0 dBi Gain Diversity Omnidirectional
Chipset	Broadcom BCM4318E
Input Power Requirements	3.3 VDC +/- 5%
Typical Power Consumption (at maximum transmit power setting)	Transmit: 400 mA (1320mW) Receive: 180 mA (594mW) Standby: 10 mA (33 mW)
Operating Temperature	-22° to 167°F (-30° to 75°C)
Operating Humidity	10 to 90% (non-condensing)
Length	4.1" (104 mm)
Width	2.1" (54 mm)
Thickness	Card Body: 0.2" (5 mm), Antenna: 0.3" (7 mm)
Weight (approximate)	1.5 oz (43 g)
Mounting	68 pin connector

Network Standards	IEEE 802.11b, 802.11g, 802.11i
Network Architecture Types	Infrastructure and ad hoc
Frequency Band	2.4 to 2.4897 GHz
Wireless Media	Direct Sequence-Spread Spectrum (DSSS) Orthogonal Frequency Divisional Multiplexing (OFDM)
Media Access Protocol	Carrier sense multiple access with collision avoidance (CSMA/CA)
Data Rates Supported	802.11b (DSSS): 1, 2, 5.5, 11 Mbps 802.11g (OFDM): 6, 9, 12, 18, 24, 36, 48, 54 Mbps
Modulation	1, 6, 9 Mbps: BPSK 2, 12, 18 Mbps: QPSK 5.5, 11 Mbps: CCK 24, 36 Mbps: 16-QAM 48, 54 Mbps: 64-QAM
Regulatory Domain Support	FCC (Americas, Parts of Asia and Middle East) ETSI (Europe, Middle East, Africa and Parts of Asia) TELEC (Japan)
Operating Channels	FCC: 11 ETSI: 13 TELEC: 14
Non-overlapping Channels	Three
Transmit Power Settings	DSSS: 19 dBm (80 mW) 17 dBm (50 mW) 15 dBm (30 mW) 10 dBm (10 mW) 0 dBm (1 mW) OFDM: 15 dBm (30 mW)
<i>Maximum transmit power will vary according to individual country regulations. All values nominal, +/-1.5dBm</i>	

	10 dBm (10 mW) 0 dBm (1 mW)
Typical Receiver Sensitivity	1 Mbps: -96 dBm 2 Mbps: -95 dBm 5.5 Mbps: -94 dBm 6 Mbps: -94 dBm 9 Mbps: -91 dBm 11 Mbps: -90 dBm 12 Mbps: -88 dBm 18 Mbps: -86 dBm 24 Mbps: -83 dBm 36 Mbps: -78 dBm 48 Mbps: -76 dBm 54 Mbps: -75 dBm
Delay Spread	1 Mbps: 600 ns 2 Mbps: 500 ns 5.5 Mbps: 400 ns 6 Mbps: 400 ns 9 Mbps: 400 ns 11 Mbps: 200 ns 12 Mbps: 350 ns 18 Mbps: 350 ns 24 Mbps: 250 ns 36 Mbps: 250 ns 48 Mbps: 150 ns 54 Mbps: 150 ns
Operating Systems Supported	Windows Mobile 6.0 Windows Mobile 5.0

	<p>Windows CE 5.0</p> <p>Windows Mobile 2003</p> <p>Windows CE 4.2</p> <p>Windows 2000, XP and XP Embedded (Q2 2007)</p> <p>For other operating systems including Linux, please contact Summit</p>
<p>Security</p>	<p>Standards</p> <p>Wireless Equivalent Privacy (WEP)</p> <p>Wi-Fi Protected Access (WPA)</p> <p>IEEE 802.11i (WPA2)</p> <p>Encryption</p> <p>Wireless Equivalent Privacy (WEP, RC4 Algorithm)</p> <p>Temporal Key Integrity Protocol (TKIP, RC4 Algorithm)</p> <p>Advanced Encryption Standard (AES, Rijndael Algorithm)</p> <p>Encryption Key Provisioning</p> <p>Static (40 and 128 bit lengths)</p> <p>Pre-Shared (PSK)</p> <p>Dynamic</p> <p>802.1X Extensible Authentication Protocol Types</p> <p>EAP-FAST</p>

	<p>EAP-TLS</p> <p>PEAP-GTC</p> <p>PEAP-MSCHAPv2</p> <p>LEAP</p>
Compliance	<p>ETSI Regulatory Domain</p> <p>EN 300 328</p> <p>EN 301 489</p> <p>EN 60590</p> <p>EN 50371</p> <p>EU 2002/95/EC (RoHS)</p> <p>FCC Regulatory Domain</p> <p>FCC Subpart B, Class B</p> <p>FCC Subpart C Part 15.247, 15.207</p> <p>ANSI C63.4-2003</p> <p>Industry Canada</p> <p>RSS-210</p> <p>TELEC Regulatory Domain</p> <p>RCR STD - 33</p> <p>ARIB STD - T66</p> <p>ARIB STD T71</p>
Certifications	<p>Wi-Fi Alliance</p> <p>802.11b, 802.11g</p> <p>WPA Enterprise</p> <p>WPA2 Enterprise</p> 

	 Cisco Compatible Extensions (CCX) Version 3
Warranty	<u>Limited Lifetime</u>
<i>All specifications are subject to change without notice</i>	