

DATA HUNTER

DH-PCM6100 Dual Band PCMCIA

Dual Band 5 GHz & 2.4 GHz PCMCIA Card 802.11a 5 GHz @ 54 Mbps 802.11b 2.4 GHz @ 11 Mbps +17/18 dBm Transmit Power



- Secure 128-bit and 152-bit WEP encryption
- Interoperable with 802.11a and 802.11b compliant equipment.
- Supports full mobility and seamless roaming from cell to cell.
- Range up to 1000 feet (300m) in open environment.
- Range up to 330 feet (100m) range in office environment.
- Advanced power management for power savings.
- Plus-and-play installation, easy client management utility software.
- Automatic data rate fallback in noisy or poor reception environment.
- **Easy Installation** - All Data Hunter devices are designed for easy self-installation. The WLAN I.P. addresses, security code settings and all other settings are configurable from the PC and Laptop on-screen Set-Up Utility.

Specifications

General

- Compliant with IEEE 802.11a & 802.11b Standard
- Security: WEP 64-bit, 128-bit, 152-bit encryption MD5

Hardware

- RF Range: 802.11 a: 5.15 ~ 5.85GHz
802.11 b: 2.4 ~ 2.4835GHz
- Data Rate: 802.11b 11 / 5.5 / 2 / 1 Mbps
802.11a: 54 / 48 / 36 / 24 / 18 / 12 / 9 / 6 Mbps
- Modulation: 802.11a: BPSK, QPSK, 16 QAM, 64 QAM
802.11b: DBPSK, DQPSK, CCK
- Number of Channels:
802.11a 5.15 ~ 5.25GHz Four 20 MHz channels,
5.25 ~ 5.35GHz Four 20 MHz channels,
5.7255 ~ 5.825GHz Four 20 MHz channels
802.11b Europe - 13, US - 11, France - 4, Japan - 14
- Transmit Power (Typ.): 802.11a: +17 dBm,
802.11b: +18 dBm
- Receive Sensitivity (@BER 10E-5):

802.11a	802.11b
-88 dBm 6Mbps	-88 dBm 1Mbps
-86 dBm 9Mbps	-86 dBm 2Mbps
-85 dBm 12Mbps	-83 dBm 5.5Mbps
-83 dBm 18Mbps	-80 dBm 11Mbps
-80 dBm 24Mbps	
-76 dBm 36Mbps	
-71 dBm 48Mbps	
-68 dBm 54Mbps	

Input Voltage: +3.3 VDC +/-5%

- Current Drain (@3.3V):
802.11a: Max. 1.5W power
802.11b: Max. 2W power

Software

- Driver Support: Windows XP/ 98SE / Me / 2000
- Utility: User setup & diagnostics tool
- Site survey tools

Mechanical

Host Interface: PCMCIA type II
Antenna: Internal Dual band antenna supporting diversity
LED Indicator: RF Activity and Power
Dimensions: 120.0 x 54.0 x 14.0 mm (4.7x2.1x0.55 inch)
Weight: 42 grams (1.5 oz.)

Environmental

Temperature:
0 ~ +60°C (+32 ~+140F) Operating
-40 ~ +85°C (-40 ~ +185F) Storage
Relative Humidity: 95% (non-condensing)

EMI Certifications

- U.S., Canada: FCC Part 15,
- Europe: CE Marked

Order Number: DH-PCM6100

Includes DH-PCM6100, Control Software and Setup Software, Diagnostic Utility, User Manual Files

Note: This PCMCIA card is also available with dual MMCX connectors for the attachment of two external diversity antennas.

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Specifications subject to changed without notice. Document DS-DH-PCM126 030229

Tel: 714.892.5461 Fax: 714.892.9768 Specifications subject to change without notice.
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