



XI-325HP(2) Wireless PC Card Specification

- Description:** 2.4 GHz Direct Sequence Spread Spectrum (DSSS) Wireless PCMCIA NIC Card, Type II, Plug and Play PC Card 2.1 Compliant. Incorporates Intersil's Prism 2.5 chipset
The **XI-325H** offers in addition a High Power / High sensitivity solution that maintains communication in problematic environments.
- Interoperability:** Certified by Wi-Fi (WECA), interoperable with Wi-Fi certified Access Points.
- Standards/Approvals** 802.11b / FCC, CE and ETS
- Antennas:** Detachable Dual Diversity antennas with MMCX connectors or will accept an External antenna.
- Range Coverage:** **XI-325:** (In Open Space Environment)
- | | |
|-------|------------------|
| 11M | 460 feet =140m |
| 5.5 M | 656 feet =200m |
| 2 M | 885 feet =270m |
| 1 M | 1311 feet = 400m |
- XI-325HP:** The range will have an improvement of about 75% on the above figures
XI-325HP2: The range will have an improvement of about 100% on the above figures
- Data Rate:** 11, 5.5, 2 and 1 Mbps per channel, Auto Fall-Back
- Power Consumption:** TX power consumption: <350mA
RX power consumption <250mA
Sleep Mode power consumption: 17mA
- Output Power:** **XI-325:** 15 dBm (typical)

XI-325H: 20 dBm
XI-325HP: 23.01 dBm
XI-325HP2: 24.771 dBm

Voltage: 3.3 V or 5V DC

Network Architecture Types:

Supports ad-hoc (peer-to-peer) and infrastructure (communications to wired networks via Access Points), roaming (standard IEEE 802.11 compliant)

Operating Channels: 11 for N. America
14 for Japan
13 for Europe (ETSI)

Sensitivity:	@PER<0.08	XI-325	XI-325H	XI-325HP	XI-325HP2
	11Mbps	< -85dBm	-91dBm	-91dBm	-91dBm
	5.5Mbps	< -86dBm	-92dBm	-92dBm	-92dBm
	2 Mbps	< -89dBm	-93dBm	-93dBm	-93dBm
	1 Mbps	< -91dBm	-95dBm	-95dBm	-95dBm

Warranty: Two Years Limited Warranty

Supporting OSs: Windows 95/98/Me/2000/NT/CE3.0, Linux.

Interface: PCMCIA V2.1, Type II, 5V key

Security: WEP (40/128 bits), MAC filter and Access control

LED Indicators: Link
Power

Software Included: Windows drivers and Utility

Operating Frequencies: 2.412-2.462 GHz (N. America)
2.412-2.484 GHz (Japan)
2.412-2.472 GHz (Europe ETSI)
2.457-2.462 GHz (Spain)
2.457-2.472 GHz (France)

Modulations: CCK (11Mbps, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)

Environmental Information

Guaranteed Temperature: 0 ~ 55 Celsius

Working Temperature: 0 ~ 55 Celsius

Storage Temperature: -20 ~ 80 Celsius

Humidity (non-condensing): 5~90%

Size and Weight: PCMCIA type II
113mm Length * 54mmWidth * 5.3mmHeight (Antenna included)
Weight < 50g

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