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**Mini PCI Express Half Mini Card, 802.11 bgn
Atheros HB97 Reference Design AR9287**



PRELIMINARY. SUBJECT TO CHANGE WITHOUT NOTICE.

Specification	
IEEE Wireless Lan Standard:	802.11b, 802.11g, and 802.11n
TX/RX:	2T2R MIMO
Host Interface:	PCI Express® Mini Card Electromechanical Specification Revision 1.2
Output Power:	Max. + 16dBm (typical)
Sensitivity:	Max. - 93 dBm (typical)
DataRate:	802.11b: 1, 2, 5.5 and 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: 20MHz bandwidth: 40MHz bandwidth: 1Nss: max. 72.2Mbps 1Nss: max. 150Mbps 2Nss: max. 144.4Mbps 2Nss: max. 300Mbps
Frequencies:	Europe: 2.400 - 2.483GHz USA: 2.400 - 2.483GHz Japan: 2.400 - 2.497GHz China: 2.400 - 2.483GHz
Software:	Windows XP/Vista/7 and Linux. Others: Please Ask.
Security:	64-bit, 128-bit and 152-bit WEP encryption 802.1x authentication AES-CCM & TKIP
Power:	3.3V +/- 5% / max. 590mA (FTP TX)
Antenna Connector:	Two Hirose U.FL ultra-miniature coaxial antenna connectors
Temperature:	Operating: 0°C to 60°C Storage: -20°C to 80°C
Dimension:	26.65mm x 29.85mm (± 0.15mm) x TBD
Wireless Approvals:	FCC, IC, CE, TELEC