



# High Power Mini PCI Card Adaptor

## 802.11a

This IEEE 802.11a 54Mbps High Power Mini PCI Client Device offers a robust solution to manufacturers of IT products with a Mini-PCI interface and has excellent features that offer an ideal solution for OEM, SOHO, SME, and Enterprise.

### Features

- IEEE 802.11a High Power Operation
- Simple installation (for pocket PCs, Handhelds, Laptops, Residential Gateways, and Home Entertainment Systems)
- WEP 64/128-bit data encryption
- 5 GHz High Power
- 802.11a WLAN connectivity & mobility
- 1 \* UFL - Hirose Antenna Connectors



Item#: 11-161

### Technical Information

Product Description	IEEE 802.11a 5GHz High Speed (54Mbps) WLAN MiniPCI Card	
Host Interface:	32-bit Mini PCI, Type III B	
Operating Voltage:	DC 3.3V +/-5%	
Chipset:	MAC/BB Processor: Atheros AR5213	
RF Chip:	Atheros AR5112	
Power Consumption:	IEEE 802.11a: TX: ≤ 1000mA RX: ≤ 400mA	
Antenna:	2 U.FL - R - SMT connectors	
Output Power:	IEEE 802.11a: 16dBm (+/- 3dB) @ 54 Mbps 17dBm (+/- 3dB) @ 48 Mbps 18dBm (+/- 3dB) @ 36 Mbps 19dBm (+/- 3dB) @ 6 MbpsmA 2 U.FL - R - SMT connectors	
Sensitivity:	IEEE 802.11a: 54Mbps: ≤ -70dBm 48Mbps: ≤ -71dBm 36Mbps: ≤ -75dBm 24Mbps: ≤ -79dBm 18Mbps: ≤ -82dBm 12Mbps: ≤ -84dBm 9Mbps: ≤ -86dBm 6Mbps: ≤ -87dBm	<b>Modulation:</b> IEEE 802.11a (OFDM) 48/54 Mbps (QAM-64) 24/36 Mbps (QAM-16) 12/18 Mbps (QPSK) 6/9 Mbps (BPSK)  <b>Range Coverage:</b> IEEE 802.11a 54 Mbps: ≥ 80 meter 48 Mbps: ≥ 120 meter 36 Mbps: ≥ 150 meter 24/18 Mbps: ≥ 200 meter 12/9/6 Mbps: ≥ 240 meter
Operating Frequency:	IEEE 802.11a USA (FCC): 5.15GHz ~ 5.25GHz ; 5.25GHz ~ 5.35GHz; 5.47 GHz ~ 5.725GHz; 5.725 GHz ~ 5.825GHz Europe (ETSI): 5.15 GHz ~ 5.35GHz; 5.47 GHz ~ 5.725 GHz Japan (TELEC): 5.15 GHz ~ 5.25 GHz	
Supported OS:	Identical to Atheros Latest Version	
Security:	Identical to Atheros Latest Version	
Dimension:	59.6mm (L) x 44.5mm (W) x 3.25 mm (H)	
Weight:	.04lbs	
Operating Temperature:	0 ~ 55°C: 90% Humidity Non-condensing Storage: -20 ~ 80°C: Humidity 5~90%	
FCC ID:	FCC ID: M4Y - 0XAG22H	