ICPMB Optional Barebone Components

PAC-430

SPECIFICATIONS

- Driver bay:
  - 4 x 5.25” driver bay
  - 1 x 3.5” driver bay
  - 2 x 3.5” hidden driver space
- Front I/O interface: 2 x USB & Audio In/Out
- Dimensions: 445(D) x 190(W) x 485(H) mm
- Shipped without power supply

ORDERING INFORMATION

- **PAC-430**
  ATX form factor with Oil press front cover chassis, front I/O USB & Audio In/Out

PAC-450

SPECIFICATIONS

- Driver bay:
  - 4 x 5.25” driver bay
  - 2 x 3.5” driver bay
  - 3 x 3.5” hidden driver space
- Front I/O interface: 2 x USB & Audio In/Out
- Dimensions: 457(D) x 210(W) x 508(H) mm
- Shipped without power supply

ORDERING INFORMATION

- **PAC-450**
  ATX form factor workstation chassis with front I/O USB & Audio In/Out

- **Recommand power supply list**
  ACE-832A/AP, ACE-840A, ACE-841AP-S, ACE-830APU1, ACE-830CU1/TU1, ACE-840APU2, ACE-850AP

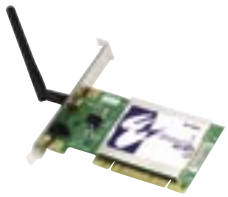
Industrial PC Wireless LAN Upgrade Solution

Solution Benefits

- IPC easy to upgrade wireless solution
- Compatible with IEEE 802.11g Draft higher speed standard to provide wireless 54Mbps data rate, and the turbo mode of 108Mbps (Turbo Mode)
- Complies with IEEE 802.11g draft standards, and backwards compatible with IEEE 802.11b products
- Compatible with Windows 98SE, Millennium, 2000 and XP

WL-AP
802.11g Wireless LAN Access Point

WL-CB-01
802.11g Wireless 32-bit Card Bus PC card



WL-PCI-01
802.11g Wireless Low profile PCI add-on card

IEEE 802.11g Section	
Standard	IEEE 802.11g
Radio and Modulation Type	BPSK, QPSK, 16QAM, 64QAM, OFDM
Operating Frequency	2400 ~ 2483.5MHz ISM band
Channel Numbers	11 channels for United States ; 13 channels for Europe Countries ; 14 channels for Japan
Data Rate	108 Mbps (WL-AP and WL-CB-01 co-work hardware compress technology) 54, 48, 36, 24, 18, 12, 9 and 6Mbp
Media Access Protocol	CSMA/CA with ACK
Transmitter Output Power	Typical RF Output Power at each Data Rate +14 ~ 15dBm at 54Mbps and 108Mbps; +14 ~ 16dBm at 48Mbps; +16 ~ 18dBm at 36, 24, 18, 12, 9, and 6Mbps
Receiver Sensitivity	Typical Sensitivity at Which Frame (1000-byte PDUs) Error Rate = 10% –87dBm at 6Mbps; –86dBm at 9Mbps; –85dBm at 12Mbps; –83dBm at 18Mbps –80dBm at 24Mbps; –76dBm at 36Mbps; –71dBm at 48Mbps ; –66dBm at 54Mbps
General Section	
Antenna Type	Dipole antennas with 2dBi gain for 2.4GHz ; PIFA antennas with 2dBi gain for 2.4GHs -TBD
Ethernet Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
Wireless Setting	
Channel	Can select the radio channel. The permissible channels dependent on the Wireless Band
Transmit Power Control	Control TX power level from full, 50%, 25%, 12.5%, and min.
Radio control	Radio on/off supported.
Auto Channel selection	Scan channel and find a clear channel.
DFS/TPC	Dynamic Frequency Selection and Transmit Power Control
Security Setting	
WEP Enable/Disable	Enable or disable WEP for security function
Authentication Type	Open System Authentication, Shared Key Authentication or both enabled
WEP Key Type	WEP Key Format: Option for both Hex and ASCII

ORDERING INFORMATION

- **WL-AP**
  802.11g Wireless Access Point
- **WL-PCI-01**
  802.11g Wireless Low profile PCI add-on card
- **WL-CB-01**
  802.11g Wireless 32-Bit Card Bus PC Card