

# WS/AirLancer MC-11b

Wireless LAN Adapter



- Wi-Fi-based wireless technology compliant to IEEE 802.11b
- Ethernet speed up to 11 Mbps
- Plug&play installation
- Range: up to 30 m in buildings, up to 400 m externally
- Network cards for wireless LANs
- Conforms to IEEE 802.11b standard and DSSS (Direct Sequence Spread Spectrum)
- Driver for Windows and Linux
- Up to 19 channels without overlapping
- Plug&play installation

AirLancer wireless network cards enable the easiest wireless networking of notebooks and desktop PCs. In conjunction with LANCOM Wireless access points, the PCs can be connected to an existing wired Ethernet infrastructure, or to the Internet using integrated ISDN or DSL routing functions.

# Wireless & Security

## WS/MC-11b SPECIFICATIONS

<b>Frequency band</b>	2400 – 2483.5 MHz (ISM)				
<b>Standards</b>	IEEE 802.11b, DSSS (Direct Sequence Spread Spectrum) Wi-Fi conform				
<b>Data rates</b>	11 Mbps (Fallback to 5.5, 2, 1 Mbps, Automatic Rate Selection)				
<b>Range*)</b>		11 Mbps	5.5 Mbps	2 Mbps 1	1Mbps
	open environmen	† 150 m	250 m	300 m	400 m
	office environment	30 m	5 m	40 m	50 m
<b>Delay spread</b>		65 ns	225 ns	400 ns	500 ns
<b>Bit error rate</b>	better than 10-5				
<b>Output power</b>	15 dBm (< 35 mW)				
<b>Radio channels</b>	up to 11 channels, max. 3 non-overlapping				
<b>Security</b>	WEPplus, WEP128 and WEP64 encryption (Wired Equivalent Privacy)				
<b>Environmental conditions</b>	0–55 °C at 95 % max. humidity (non-condensing)				
<b>Supplements</b>	CD with comprehensive documentation in English, German, French, and Italian PC drivers, management and diagnostic software AirLancer Client Manager for site server and link test				
<b>Certifications</b>	CE marked, ETSI ETS 300 328, ETS 300 826, EN 55022, EN 55024, EN 60950, EN 60601-1-2 (medical environments), radio approvals for all EU countries incl. Switzerland				
<b>Interfaces</b>	AirLancer MC-11	PC card (PCMCIA) type II with integrated antenna			
	AirLancer PCI-11	PCI adapter (AirLancer MC-11 included)			
	AirLancer USB-11	USB adapter with integrated antenna			
<b>Power consumption (PC card)</b>	AirLancer MC-11	doze mode –9mA	receive mode –185mA	transit mode –285mA	
	AirLancer USB-11	doze mode –10mA	receive mode –245mA	transit mode –360mA	
<b>System requirements</b>	AirLancer MC-11	PC card slot type II, 5 Volts			
	AirLancer PCI-11	PCI bus greater PCI 2.1, 3.3 or 5 Volts			
	AirLancer USB-11	USB 1.1, 5V			
<b>Operating systems</b>	AirLancer MC-11	Windows XP, Windows NT 4.0, Windows 2000, Windows Me, Windows 98, Windows 95, Windows CE 2.11/3.0, Linux			
	AirLancer PCI-11	Windows XP, Windows NT 4.0, Windows 2000, Windows Me, Windows 98, Linux			
	AirLancer USB-11	Windows XP, Windows 2000, Windows Me, Windows 98, Windows 98SE			
<b>Dimensions</b>	AirLancer MC-11	54 x 118 x 8.7 mm			
	AirLancer PCI-11	146 x 20 x 122 mm			
	AirLancer USB-11	145 x 89 x 63 mm			
<b>Item no.</b>	AirLancer MC-11	AirLancer MC-11 (WEP128): AE 60281			
	AirLancer PCI-11	AirLancer PCI-11 (WEP128): AE 60283			
	AirLancer USB-11	AirLancer USB-11 (WEP128/World): AE 00793			
<b>Service</b>	Warranty	2 years			
	Support	via hotline and Internet, free software updates			

\*) The effective range and throughput depends on local conditions and potential source of interference.