

## CONNECT2AIR WLAN E-1100 PC-Card

The wireless PC network



In order to connect your notebook to your CONNECT2AIR Wireless network or any other Wi-Fi compliant network, Fujitsu Siemens Computers offers the CONNECT2AIR WLAN E-1100 PC-Card.

### CONNECT2AIR WLAN E-1100 PC-Card

- Use sales code **S26391-F2515-L200** to order the CONNECT2AIR WLAN E-1100 PC-Card.
- The CONNECT2AIR WLAN PC-Card connects your PC to a wireless network and is interoperable with any Wi-Fi compliant product.
- It may be used with an CONNECT2AIR WLAN Access Point to connect to your fixed network and internet connection.
- The E-1100 PC-Card features sturdy design, integrated diversity antenna, very low power consumption in stand-by mode, fast and automatic handshaking for send and receive readiness, authentication and encryption (WEP) for secure data transmission.
- WHQL certification for all supported Windows operating Systems.
- The PC-Card also allows you to set up a temporary network. (Ad-hoc)
- Automatic power management to reduce battery use.
- Conform to *IEEE* 802.11 and *IEEE* 802.11b specifications.
- The CONNECT2AIR WLAN E-1100 PC-Card automatically selects the fastest radio network connection as well as the optimum data transfer rate of 11 Mbit/s, 5.5 Mbit/s, 2 Mbit/s or 1 Mbit/s.
- Ready to use with Fujitsu Siemens Computers enhanced security solutions like "Secure Mobility" or any other VPN based technology.

**Physical specifications**

Dimensions 117.8 mm x 53.95 mm x 8.7 mm  
 Weight 55 g

**Operating conditions**

	Temperature	Humidity
Operating	0°C to 60°C	95% (non condensing)
Storage	-20°C to 75°C	95% (non condensing)

Barometric Pressure 740 hPa to 1050 hPa

**Electrical specifications**

Supply Voltage 5 V DC from host (± 0.2 V)

Power consumption	Doze	Receive	Transmit
Typical for PC-Card	9 mA	185 mA	285 mA
Maximum	15 mA	240 mA	330 mA

**Radio characteristics**

Frequency Range 2400 MHz to 2484 MHz (ISM)  
 Channel Frequencies 11 freely selectable channels  
 Modulation Technique DSSS (Direct-Sequence-Spread-Spectrum)

Spreading 11-chip Barker Sequence  
 Antenna System Built-in diversity antenna  
 Bit Rate 11 Mbit/s, 5.5 Mbit/s, 2 Mbit/s, 1 Mbit/s (Automatic Rate Selection)

Bit Error Rate (BER) Better than 10<sup>-5</sup>  
 Output Power 15 dBm (± 2 dB)

Performance The typical ranges are given for a bit error rate better than 10<sup>-5</sup>.

Typical Range *	11 Mbit/s	5.5 Mbit/s	1 Mbit/s
open environment	160 m	270 m	550 m
semi-open environment	50 m	70 m	115 m
closed environment	25 m	35 m	50 m
Receiver sensitivity BER < 10 <sup>-5</sup>	-82 dBm	-87 dBm	-94 dBm
Typical throughput (excluding headers, etc) using TCP/IP	5 Mbit/s	3.4 Mbit/s	0.8 Mbit/s

\* Above listed throughput and range values are typical characteristics and depend on positioning of the Access Point, Clients and environmental influences and could not be guaranteed.

**Connection**

PC-Card (PCMCIA Type II)

**LED displays**

2 LEDs Power  
 Network Activity

**Power management**

Yes

**Regulatory Body Approvals / Compliance**

CE license for all EU countries, ETSI ETS 300 328, ETS 300 826, EN 55022, EN 55024, EN60950

**Norms and standards**

IEEE 802.11 and IEEE 802.11b

**Security**

Transmissions are encrypted using WEP encryption. Wired Equivalent Privacy (WEP) = data encryption. Two levels of encryption are possible: 64/128-bit key RC4 encryption.

**Other features**

Plug & Play installation. Wizards for hassle-free installation.

**System requirements**

1 free PC-Card Slot ( PCMCIA Typ II), CD ROM drive

**Operating systems**

Windows 95, Windows 98, Windows 98SE, Windows Me, Windows NT, Windows 2000, Windows XP

**Includes**

1 PC-Card  
 1 CD with configuration and communication software and documentation.

**Reliability**

MTTF 150'000 hours, based on workload of 2040 hours/year within operating conditions.

**Warranty**

2 years

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