

CONNECT2AIR WLAN E-1100 USB

The wireless PC network



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

CONNECT2AIR WLAN E-1100 USB

- Use sales code **S26391-F2515-L300** to order the CONNECT2AIR WLAN E-1100 USB.
- The CONNECT2AIR WLAN E-1100 USB device 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 USB Client 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.
- Can be used in a platform environment with multiple wireless LAN cards.
- WHQL certification for all supported Windows operating Systems.
- The E-1100 USB also allows you to set up a temporary network. (Ad-hoc)
- Powered from the host machine: no need for external power supply
- Conforms to USB 1.1 standard
- Conform to *IEEE* 802.11 and *IEEE* 802.11b specifications.
- The CONNECT2AIR WLAN E-1100 USB 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 145 mm x 89 mm x 63 mm
 Weight 170 g

Operating conditions

	Temperature	Humidity
Operating	0°C to 40°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 (± 0.25 V)

Power consumption	Standby	Receive	Transmit
Typical for USB Client	0.3 mA	185 mA	285 mA
Max via USB cable			420 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 10⁻⁵
 Output Power 15 dBm (± 2 dB)

Performance The typical ranges are given for a bit error rate better than 10⁻⁵.

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 ⁻⁵	-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

USB (standard high - power USB port)

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 USB - port, CD ROM drive

Operating systems

Windows 98, Windows 98SE, Windows Me, Windows 2000, Windows XP

Includes

1 USB Client
 1 USB cable (100 cm)
 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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