

Bluetooth ä LSE 041 Blue Card



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LSE 041 Blue Card, Revision R1B:

The "LSE 041 Blue Card" is an external adapter, for enabling of laptop PC's, Desktop PC's and other PCMCIA Host enabled devices to interface to Bluetooth.

This device includes all the hardware, drivers and software applications to enable a Windows 95/98 and NT4 PCMCIA enabled platform with per-to-per file transfer. In addition the card also supports WSS proprietary wireless printing in combination with the LSE019 Printer Adapter. Easy installation and configuration with Windows 95/98 and NT4.

Features:

- Bluetooth V1.0B + Critical Errata compliant
- Upgradeable to V1.1 specification
- Data rates up to 460 kbs
- WSS Proprietary wireless printing supported (requires LSE019 Printer Adapter)
- The antenna is integrated into the Blue Card

Application Profiles:

- Generic Access profile
- File Transfer profile
- Serial port profile
- WSS Proprietary wireless printing

The LSE 041 Blue Card is certified by the Bluetooth SIG and compliant with the Bluetooth 1.0B specification. The Blue Card is designed to comply with the Bluetooth 1.1 Draft specification. Further more, the product complies with the regulatory national requirements (safety, EMC and radio type approval) according to the "Wireless Solutions Product Approval sheet" appendix A.

WSS stands for Wireless Solutions Sweden AB

Note! Bluetooth™ is a trade mark owned by Telefonaktiebolaget L M Ericsson, Sweden and licensed to Wireless Solutions Sweden AB.

Technical Specification, LSE 041 Blue Card:

Radio Specifications:

Frequency range	2.402 – 2.4800 GHz
Supported Specification	Programmable for specific national regulations
RF output power	Bluetooth 1.0B specification
Power management	0 dBm, Power Class 3
Receiver sensitivity	Active and passive power saving modes
Frequency spectrum utilization	Better than -70 dBm at 0.1% BER
Modulation	Frequency Hopping Spread Spectrum (FHSS)
Bit-rate	Gaussian Frequency Shift Keying (GFSK)
Antenna	1 Mbs
Regulative compliance	Integrated
	FCC part 15, UL 1950 (US), ETS 300 328, ETS 300 826, EN 60950 (EUROPE).

Electrical Characteristics:

Power supply	5V from PC Card slot
Max power consumption	70 mA
Min power consumption	10 mA
Physical interface	Type II PC Card slot
Visual indicators	Data traffic (LED)
	Power (LED)

Security:

Initialization	4 digit PIN code
Authentication	Security mode 2 supported
Encryption	Supported

Mechanical Specifications:

Physical dimensions	92 x 54 x 5 mm
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Environment:

Operating temperature	0 to 55°C
Storage temperature	-20 to 70°C
Humidity	5 – 95% non condensing

Configuration:

Drivers, set-up and configuration	Drivers for Windows 95/98 and NT4.
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Software maintainability:

PC Card software upgrade	Via Host Computer
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Appendix A

Wireless Solutions Sweden AB Product Approval Sheet

The LSE 041 Blue Card is tested and compliant with the national regulatory requirements according to the standards mentioned below.

European Union:

- EMC ETS 300 826 (EMC standard for 2,4 GHz wide band transmission systems and hiperlan)
- Radio ETSI EN 300 328-1 (EMC and radio spectrum matters for 2,4 GHz ISM band)
- Safety EN 60 950 (Safety of Information technology equipment)

Compliance with this standards covering essential requirements under the 1999/5/EG R&TTE directive is necessary for placing the product on the EU market.

U.S / Canadian market:

- EMC FCC CFR47 part 15.C (Emission requirements for product operating within 2.4 GHz ISM band)
- Radio FCC CFR47 part 15.247 (Radio spectrum requirements for FHSS systems operating within the 2.4 GHz ISM band)
- Safety UL 1950 (Safety of information technology equipment)

Compliance with this standards, UL-listing and FCC-registration is necessary for placing the product on the U.S / Canadian market.