LSE039 R2 Bluetooth Compact Flash Card

General Description

The LSE039 R2 Compact Flash Card is a plug in unit for PDAs and other Compact Flash Host devices running certain Microsoft Windows Platforms.

The LSE039 R2 enables point-to-multipoint communication over Bluetooth.

In addition the Compact Flash Card supports wireless printing in conjunction with the LSE019 Printer Adapter as well as serial port profile printing. Installation and configuration tools for a range of Microsoft Windows PC platforms.

Features

- Bluetooth 1.1 qualified including Software
- Bluetooth 1.1 qualified as Hardware component
- Piconet (Point-to-multipoint) enabled
- Data rates up to 460 kbps
- Integrated antenna

Bluetooth Application Profiles

- Generic Access Profile
- Serial Port Profile
- File Transfer Profile
- Dial-Up Networking Profile
- LAN Access Profile

Supported Applications

- Serial Port Profile Printing[1]
- Proprietary Wireless Printing (Requires the LSE019 Printer Adapter)
- Fax[1]

OEM Customization Options

- Color and Labeling
- User Interface
- Support for other devices/platforms

Note [1]: Third party software required.

Radio Specifications

Frequency Range	2.402 - 2.480GHz, Programmable for Specific National Regulations
Supported Specification	Bluetooth 1.1
RF Output Power	0dBm, Power Class 2
Receiver Sensitivity	Better than -70dBm at 0.1% BER
Frequency Spectrum Utilization	Frequency Hopping Spread Spectrum (FHSS)
Modulation	Gaussian Frequency Shift Keying (GFSK)
Bit-rate	1 Mbps
Antenna	Integrated
Regulative Compliance	FCC part 15, UL 1950 (US), ETS 300 328, ETS 300 826, EN 60 950 (Europe)

Electrical Characteristics

Power Supply	3.3VDC or 5VDC from Flash Card connector
Current Consumption	60mA max. 10mA min.
Physical Interface	Type I Compact Flash Card slot. Supports Compact Flash I/O v1.4
LED Indicator	Power On / Data Traffic

Mechanical Specifications

Dimensions	48 x 43 x 6 (mm)
Weight	Approx. 15 (g)

Environment

Operating Temperature	$\pm0^\circ$ C to +55° C
Storage Temperature	-20° C to +70° C
Humidity	5-95% non-condensing

Configuration and Security

Supported Operating Systems and Processors	Microsoft Windows PC and Pocket PC on selected processors
Installation and configuration tools	Microsoft Windows PC Platforms
Firmware upgrade	Via external programming adapter
Authentication	Supported
Encryption	Supported

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