



Personal Access Reader (PAR) MiniUSB

New High-Speed, Compact Reader for Smart Cards (including CAC/PIV) and Subscriber Identity Module (SIM) Cards

Your smart card, SIM card, Personal Identification Verification (PIV) card, or Common Access Card (CAC) card is now as convenient to use as a USB security device. The newest addition to the SPYRUS Personal Access Reader family, the PAR MiniUSB connects to any USB port and is equally convenient at home, in the office, and on the road. It is designed specifically for secure computer access and electronic banking.

The PAR MiniUSB implements the USB Chip/Smart Card Interface Devices (CCID) specification, eliminating the need to download drivers for any operating system that supports this specification. This significantly reduces administration time and configuration issues.

Features

- ▲ Attractive, compact, durable design.
- ▲ Full-speed USB 2.0 interface, USB 1.1 compliant.
- ▲ Reader supports up to 115.2kbps communication speed.
- ▲ Optional adapter for SIM/SAM card.
- ▲ Detachable 100 cm USB connector cable included.
- ▲ LED reader indicator lights.
- ▲ Accepts both (ISO7816-Class A) 5V and (ISO7816-ClassB) 3V smart cards, and SIM card.
- ▲ Designed for EMV Level 1 certification.
- ▲ Uses standard CCID drivers for plug-and-play operation.

International Certificates

- ▲ CNS
- ▲ FCC (Part 15 Class B)
- ▲ CE EN55022 Emissions
- ▲ CE EN55024 Immunity
 - EN61000-4-2 Electrostatic Discharge
 - EN61000-4-3 RF Radiated
 - EN61000-4-4 Electrical Fast Transient
 - EN61000-4-5 Surge
 - EN61000-4-6 Conducted
 - EN61000-4-8 Magnetic Test
 - EN61000-4-11 Voltage Dip Interruption
- ▲ CE IEC60950:2001
- ▲ CE EN60950:2001



Preliminary Technical Specifications*

Reader

- ▲ 90mm (L) x 34mm (W) x 14mm (H)
- ▲ Approximately 80 grams weight
- ▲ ABS housing

Interface

- ▲ USB 2.0 (full speed), USB 1.1 compliant

Cable

- ▲ USB type A to Mini B detachable, 100cm length,
- ▲ UL approved

API Support

- ▲ PC/SC 1.0 compliant, proprietary API (M.U.S.C.L.E.)

Power Consumption

- ▲ Powered by USB hub, 5V \pm 5%, 60mA

Card Acceptor

- ▲ Friction type with over 100,000 cycles

Card Interface

- ▲ Standard ISO7816-1, 2, 3 T=1 and T=0 protocol
- ▲ Optional: Synchronous 2-line, 3-line memory card

Environmental

- ▲ Operating temperature: 0°C to 50°C
- ▲ Storage temperature: -20°C to 65°C
- ▲ Humidity: 90%, noncondensing

Baud Rate

- ▲ Reader supports up to 115.2kbps communication speed

*Specifications and product offerings are subject to change without notice.

SPYRUS, Inc.



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