

CardMan 3121 Smart Card Reader



Host Interface

USB 2.0 CCID¹ (also compliant with USB 1.1)
Transmission speed: 12 Mbps (USB 2.0 full-speed)
Power supply: Bus powered

Smart Card Interface

Compliant with ISO 7816 and EMV 2000 Level 1
Supports T=0, T=1
Supports 2-wire: SLE 4432/42, (S=10), 3-wire: SLE4418/28 (S=9)
Supports I²C (S=8)
Supports SLE 4404
Card size: ID – 1 (full size)
High performance smart card interface (up to 420 Kbps when supported by card)
Smart card clock frequency up to 8 MHz
Supports 5V, 3V, and 1.8V smart cards
Supplies 60 mA current to power the smart card
Smart card movement detection with auto power-off
Automatic detection of smart card type
Short circuit and thermal protection
8 pin handling (C4 / C8 supported)

Other Features

Status indicator: Dual color LED
Light vertical base and attachment pad for mounting the reader (i.e., on a monitor)

Options

Heavy base (300gr) or jumbo heavy base (429gr) supporting both horizontal and vertical card insertion: On request
Customer specific logo and/or label: On request
Customer specific colors: On request

Compliance

Microsoft WHQL² certified
EMV³ 2000 Level 1 certified

ISO 7816

HBCI⁴

USB 2.0 (1.1 compatible)

API

PC/SC drive
CT-API (on top of PC/SC)
OCF (on top of PC/SC)

PC/SC Driver Support

Windows® 98
Windows® ME
Windows® 2000
Windows® XP
Windows® CE 3.0 / CE.NET (depending on hardware)
Linux®
Mac® OS X

Embedded Technology

CardMan Smart@Link Chip-Set

Hardware Specifications

Colors: Two-Tone Gray (Standard)
Dimensions: 80 x 67 x 28 mm / 3.15" x 2.64" x 1.1"
Weight (incl. standard base): 187 gr / 6.6 ounces
Operating temperature: 10-55° C / 32-131° F
Operating humidity: 10-90 % rH
Composition: ABS
Connector cable: 180 cm / 70.9"
Durability: 100,000 Insertions
Meantime between failure (MTBF): 500,000 Hours

Safety and Environmental Standards

CE
FCC
UL

1 = Chip Card Interface Device 2 = Windows® Hardware Quality Labs 3 = Europay® MasterCard® Visa® 4 = Homebanking Computer Interface