

IDBridge CT31 PIV USB smartcard reader



© 2025 DOT ORIGIN LTD

The IDBridge CT31 PIV USB reader from Thales (formerly Gemalto) delivers high quality and functionality, in an attractive transparent design. This reader is fully PC/SC and EMV Level 1 compliant. It supports all ISO 7816 microprocessor-based smartcards as well as many popular memory cards.

This model is similar to the IDBridge CT30, with added PIV compliance, primarily for US Government applications (eg reading DOD CAC smartcards).

The reader works with Windows, Linux and MacOS and is perfect for many smartcard-based applications on desktop PCs.

Despite its compact size, the IDBridge CT31 performs strongly. It is ideal for organisations implementing the PIV or CIV standards but is equally applicable for use with other ISO7816 contact smartcards.

Thales part number 962-000007-004

A contemporary, transparent ISO7816 contact smartcard reader for PIV applications. USB 2.0 CCID compliant.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~871/p/index.shtml>

This Product Briefing has been produced by [Dot Origin Ltd](#), the smart card experts behind [SmartcardFocus.com](#). If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

Technical Specifications

Product:

Dimensions: 93 x 63 x 13mm (3.66 x 2.48 x 0.51in)

Weight: 61g (2.15oz)

Power supply: 5V USB

Cable length: 1.5m (59.1in)

Operating Temperature: 0 to 55degC (32 to 131degF)

Operating Humidity: 10-90% RH

Host Interface

USB CCID (Standard 2.0 Type A connector)

Transmission Speed: 12 Mbps (USB full speed)

Contact Smartcard Interface

Supports Processor cards: following either T=0 or T=1 protocol

Supports Memory-based Smartcards: using 'Synchronous card API'

Protocol standards: ISO 7816, Class A, B, C (5V, 3V, 1.8V); T=0; T=1; Memory card support

Supported APIs: PC/SC, CT-API, Synchronous card API for support of memory cards

Supply current: 100mA

Smartcard read/write speed: up to 826 kbps

Card detection: 8 friction contacts - ISO location; Short circuit detection; Embossed smartcards supported

Clock frequency: up to 4MHz

Card insertion cycles: 100,000

Human Interface

Status Indicator: Green LED with dual state (wait and operation)

Compliance / Certification

RoHS, REACH, WEEE, IEC 60950, ISO 7816, EMV Level 1 (v4.0), CE, FCC, VCCI (Japan), c-Tick (Australia), BSMI (China), KC (S Korea)

Operating System support

Windows, Linux, Mac OS

Warranty: 1 year manufacturer's warranty

Manufacturer's part number: 962-000007-004

Country of origin: Taiwan

HSF code: 8471900000

Manufacturer: Thales

Connection Method: USB