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# IDBridge CT10 - Embeddable contact smart card reader

**Brand:** Gemalto  
**Product Code:** SMAG1000870



## Short Description

POS Smart Connector

## Description

- **Technical features**
- POS Smart Connector can interface:
  - One external smart card: EMVCo approved
  - Up to 4 SAMs: direct electrical interfaces.
  - Asynchronous
  - Microprocessor cards
  - T=0, T=1 protocols
  - Transmission rate: 2 Kbps to 500 Kbps (main card)
  - Synchronous
  - On the main interface only
  - Smart card power supply
  - 5V/55mA, 3V/50mA, 1.8V/20mA
  - Short circuit current limitation
  - Power up/power down control sequences
  - Smart card management
  - ESD protection on card I/O

- Card presence indication
- Card insertion/extraction detection
- 4 KV Human Body Model
- Asynchronous cards
- Microprocessor SAMs
- 125 Kbps
- SAM power supply
- 5V, 55mA
- Voltage
- 4.6 V to 5.4 V
- GemCore chip power supply
- Power down mode
- 20  $\mu$ A to 100  $\mu$ A power down current
- Mechanical features
- Smart Connector
- Serial asynchronous link
- Power down/power up by host command
- Power up by card insertion
- Transmission rate: 9.6 Kbps to 115 Kbps
- Format: 8 bits, no parity
- USB link
- Full speed 12 Mbps
- **Communication protocol**
- CCID protocol (for both serial and USB links)
- API source code available for free
- Connector reliability
- 100K insertion cycles
- Friction technology
- External dimensions
- L x l x H: 62 mm x 40 mm x 8 mm
- Temperature range/Operating range: 0°C to +70°C
- Cable to host & SAMs
- By flex (custom cable as an option)
- Security
- For security reasons (cf Visa PCI specs), no possible access to contacts: all contacts are on the back side
- Protection against 2 smart card insertion
- CE/FCC
- Environmental
- RoHS compliant