IDBridge CR20
Integrated solution for embedded smart card card readers

- 1 Smart Card interface
- Smart card transfer rate: up to 826 Kbd/s (if supported by the smart card)
- Compatible with all microprocessor and memory cards, EMV & non-EMV cards
- USB link for the host interface
- EMVCo/EMV2000 4.2 and PBoC compliant
- Very small sized component: QFN16
- Few external components to add (no external oscillator)
- Efficient development tools and easy certification means short time-to-market

Overview
IDBridge CR20 is the ultimate step for smart card reader architectures. Thanks to Thales’s knowhow in silicon conception and to 15 years of experience in development of readers, Thales technology now reaches the highest level of integration. IDBridge CR20 is a single chip product dedicated to applications requiring quick time-to-market, performances, EMVCo Type Approval and/or PC/SC compliances.

Applications
IDBridge CR20 is a single chip solution designed as the core of any smart card reader with USB connection. Its target is to propose an easy to integrate and efficient solution for PC smart card applications.

Compliance with standards
- ISO/IEC 7816-1, 2, 3, 4
- EMV Level 1: EMV2000 specifications version 4.2
- PC/SC part 10 compliance
- WHQL compliance
- PBOC compliance
- RoHS and REACH
About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.