



# IDBridge CT30/CT30-C and IDBridge CT40 smart card readers

Universal readers for smart  
card applications

## Protecting executives

Cyber attack and identity theft continue to increase and become more sophisticated as businesses harness the power of online services for business applications. To counteract this threat, many enterprises, financial institutions and government agencies have deployed strong authentication using smart card technology. Their goal is to provide safe logical access, protect digital identities and safeguard online transactions for employees, customers and citizens at large.

### Benefits

- Data and identity protection
- Strong authentication
- Secure application for eGov, enterprise, healthcare, banking, gaming
- Easy deployment
- Universal for all ISO smart cards
- Customizable

Smart card readers are an essential component of any smart card deployment. Connected to a PC, laptop or thin client, they ensure communication between the smart card and network services, and must do so in a convenient yet secure manner. Thales's full range of PC-Link smart card readers provide the perfect balance of ease of use combined with the highest level of security.

## Main standard compliances

- ISO7816
- EMV2000 Level 1
- Microsoft signature (WHQL)
- USB 2.0 and CCID 1.1
- RoHS and REACH
- PC/SC



CT30 / CT30-C



CT40

## Readers Designs

Two different designs are available: the innovative transparent design of the IDBridge CT30 and CT30-C highlights the card with your graphics, while the IDBridge CT40 allows you to customize your brand on its casing.

## USB Cables

Two different types of USB cable and connectors are also available: USB-A for the IDBridge CT30 and CT40, and USB-C for the IDBridge CT30-C, which perfectly fits for a flexible deployment of your solution with maximum user-friendliness.

Note that the compact and lightweight design of the IDBridge CT30 and CT30-C has the double advantage to optimize shipping expenses and to support your sustainability strategies by reducing the carbon footprint of your solution. They can also be supplied with a stand for desktop use allowing vertical insertion.

## About Thales

Today's businesses and governments depend on the cloud, data and software to deliver trusted digital services. That is why the most recognized brands and organizations around the world, rely on Thales to help them protect sensitive information and software wherever it is created, stored or accessed – from the cloud and data centers to devices and across networks. As the global leader in data security, identity & access management, and software licensing, our solutions enable organizations to move to the cloud securely, achieve compliance with confidence, create more value from their software and deliver seamless digital experiences for millions of consumers every day.

## Technical Specifications

<b>Host interface</b>		<ul style="list-style-type: none"> <li>• USB 2.0, full speed (12Mbps/s), hubless, CCID protocol</li> </ul>
<b>Operating systems, drivers and API</b>		<ul style="list-style-type: none"> <li>• Up to Windows 11 (including Windows 7, 8.1)</li> <li>• Linux</li> <li>• Mac OS</li> <li>• Drivers available at <a href="#">Thales Customer Support Portal</a></li> </ul>
<b>Standards</b>		<ul style="list-style-type: none"> <li>• ISO7816-1, 2, 3, 4</li> <li>• EMV terminal level 1 version 4</li> </ul>
<b>Supported smart cards</b>	Asynchronous	<ul style="list-style-type: none"> <li>• Microprocessor cards</li> <li>• T=0, T=1 protocols</li> <li>• Transmission rate: 2 Kbps to 826Kbps (TA1=17 @ CLK=4.8MHz)</li> </ul>
<b>Smart card electrical interface</b>	Smart card power supply	<ul style="list-style-type: none"> <li>• 5V and 3V and 1.8V</li> <li>• Short circuit current limitation</li> <li>• Power up / power down control sequences</li> </ul>
	Smart card management	<ul style="list-style-type: none"> <li>• Card insertion/extraction detection</li> </ul>
	ESD protection on card I/O	<ul style="list-style-type: none"> <li>• 8KV Human Body Model</li> </ul>
	Power down	<ul style="list-style-type: none"> <li>• Less than 200µA suspend mode current</li> </ul>
<b>Human interface</b>	Led	<ul style="list-style-type: none"> <li>• Green led with dual state (waiting and operation)</li> </ul>
<b>Environmental</b>	Voltage	<ul style="list-style-type: none"> <li>• RoHS, REACH</li> <li>• WEEE</li> <li>• CE, FCC part 15, VCCI, c-Tick, BSMI, KC</li> <li>• EN60950 / UL-cUL60950</li> </ul>
<b>Dimensions</b>	Reader	<ul style="list-style-type: none"> <li>• CT30 / CT30-C : 74 x 63 x13mm / Weight 55g</li> <li>• CT40: 96 x 70 x 13 mm / Weight 65g</li> </ul>
	Cable	<ul style="list-style-type: none"> <li>• CT30 / CT40: 1.5m (59.1") USB2.0 with type A connector</li> <li>• CT30-C: 1.5m (59.1") USB2.0 with type C connector</li> </ul>
	Carton box	<ul style="list-style-type: none"> <li>• 108mm x 90mm x 30mm</li> </ul>
<b>Other features</b>	Temperature range	<ul style="list-style-type: none"> <li>• Operating range: 0°C to +55°C</li> <li>• Storage: 0°C to +70°C</li> </ul>
	Color	<ul style="list-style-type: none"> <li>• CT30 / CT30-C : Crystal (transparent)</li> <li>• CT 40: Grey (opaque)</li> </ul>