

# Data Sheet

## FUJITSU Accessory SmartCard CardOS V4.4

### Security Access Protection

A SmartCard for highest security

The SmartCard with CardOS V4.4 fulfills the highest security demands. It is compatible with international smart card standards and is simple and efficient to use in standardized environments and applications. It provides optimal data security with a clearly structured security architecture and a great number of extremely flexible protection mechanisms.



#### Security

- Different life cycle phases of checking the permitted commands
- Highly complex logical combinations of access rights
- Protection of all data objects with up to 127 different access rights per directory level
- Secure messaging for cryptographically secured communication between the card and the terminal

#### Reliability

- High quality and function stability according to German standards
- Short reaction and transportation time
- Warranty, Service and spare part supply according to your needs

#### Usability

- The smart card is compatible with ISO/EC 7816 part 3,4,5,8 and 9.
- Support of independent personalization for individual applications
- Support of CV certificates
- Standard interface for external public key certificate services

#### Environmentally friendly development

- Minimized size and weight
- Minimized use of raw materials
- Ergonomic considerations are consistently taken into account

# SmartCard CardOS V4.4

## Technical specifications

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                             | Infineon Smartcard Chip SLE 66CX680PE:<br>8/16-Bit Security Controller with enhanced instruction set for large memories<br>0.22 micrometer CMOS Technology<br>244-Kbytes ROM<br>7100 bytes RAM<br>68-Kbytes EEPROM<br>1100-BIT Advanced Crypto Engine<br>Certified RSA 2048-bit library available<br>Smartcard Operationg System CardOS V4.4 / ATOS:<br>Cryptographic functions:<br>Triple-DES (CBC) and DES (ECB,CBC) with ISO-padding<br>MAC and Retail-MAC with ISO- or ANSI-Padding<br>Evaluates cryptographic Hash-data (SHA-1); SHA-2 pagacke<br>RSA with up to 2048 Bit key lenght on basis of CRT with or without given Public Exponent<br>Supporting PC/SC- / CSP and CT-API<br>Supporting PKCS#1-BT1 or PKCS#1-BT2 or Leading-Zeroes-Padding |                    |
| Required interface          | Smartcard Reader for Cards on basis of ISO/IEC 7816                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| Color                       | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| Required interface          | Smartcard Reader for Cards on basis of ISO/IEC 7816                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| Compliance                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| Compliance link             | <a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| Miscellaneous               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| Dimensions (W x D x H)      | 54 x 85 x 1 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| Weight                      | 5.2 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| Order code                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                             | S26381-F305-L101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EAN: 4051554357085 |
|                             | S26381-F305-L102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EAN: 4051554357092 |
|                             | S26381-F305-L110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EAN: 4051554357306 |
| Warranty                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| Warranty period             | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| Warranty type               | Bring-In / Send-In Service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| Warranty Terms & Conditions | <a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| Service Weblink             | <a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |

# More information

## Fujitsu OPTIMIZATION Services

In addition to FUJITSU Accessory SmartCard CardOS V4.4, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about FUJITSU Accessory SmartCard CardOS V4.4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts/accessories](http://www.fujitsu.com/fts/accessories)

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



## Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see [www.fujitsu.com/terms](http://www.fujitsu.com/terms)  
© 2016 Fujitsu Technology Solutions GmbH

## Disclaimer

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

## Contact

Fujitsu Technology Solutions GmbH  
Website: [www.fujitsu.com/fts](http://www.fujitsu.com/fts)  
2017-01-01 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see [www.fujitsu.com/terms](http://www.fujitsu.com/terms)  
© 2016 Fujitsu Technology Solutions GmbH