

# SmartBoard G83-6644



*Models may vary from the image shown*

## Universal reading and writing!

As a SmartBoard with smart card reader, it is the ideal input device for all applications requiring high levels of security. Equipped with a class-2 reader, the G83-6644 is ideal for authentication, PKI and single sign-on.

## Key benefits

- USB 2.0
- Secure PIN entry
- PC/SC Smart card reader
- CT-API support
- Protocols: T=0, T=1, S=8, S=9, S=10
- CCID compatible
- Reading/writing ISO 781-compliant chipcards
- EMV 2000 Level 1 approved
- FIPS 201 Certification
- TAA Compliant

## Technical Data:

### Layout:

- 104 position international key layout including Windows keys

### Housing / Key Color:

- Black
- Light Gray (special conditions apply)

### Weight (product):

- 680 g
- 1.499 lbs

### Weight (with packaging):

- 840 g
- 1.851 lbs

### Cable Length

- approx. - 1.80 m
- approx. - 5.9 ft.



## Agency Approvals

- FCC, GS, CE, c-tick, GHOST-R
- EMV 2000 level 1
- Microsoft Windows™

## System requirements:

- USB connection

## Storage Temperature:

- -20°C to 60°C
- -4°F to 140°F

## Operating Temperature:

- -0°C to 50°C
- 32°F to 122°F

## Current Consumption

- max. 100 mA

## Interface

- USB

## Dimensions (product):

- Approx. 458 x 170 x 42 mm
- 18.03 x 6.69 x 1.65 inches

## Packaging dimensions:

- Approx. 495 x 200 x 55 mm
- 19.48 x 7.87 x 2.17 inches

## Keyboard:

- Service life, standard key: > 10 million key operations
- Operation characteristics: Soft pressure point
- Inscription technology: Laser
- Inscription layout: Standard
- Number of keys: 104 (Product dependant on language)

## Smartcard-Reader:

- Hardware interface: USB
- Agency Approvals: EMV 2000 Level 1
- Chip-card protocols: T=0, T=1, S=8, S=9, S=10
- Contact: mechanical swipe reader
- Software interface: CT-API, PC/SC, CCID
- Mating cycles: approx. 100,000 operations
- Compatible chip card types: Reads and writes on all ISO 7816 cards
- Transmission speed reader ↔ card: 412,903 Bit/s
- Transmission speed reader ↔ system: max. 12 Mbit/s
- Chip card pulse frequency: 4.8 MHz

## Technical Data (Continued)

**Packaging Unit:**

- Number of products in the master package 53
- Number of master packages per pallet 2

**Warranty:**

- 2 Years Warranty

**Delivery Volume:**

- G83-6644 Keyboard
- Printed instructions

Errors, technical changes and delivery possibilities excepted. Technical information refers only to the specifications of the products. Features may differ from the information provided.

### Order Description

<i>Product name</i>	<i>Order Number</i>	<i>Interface</i>	<i>Color</i>
Smartboard G83-6644	G83-6644LUAEU-2	USB	Black

Available in light gray, and various country versions upon request.



ZF Electronics Corporation  
11200 88th Avenue  
Pleasant Prairie, WI 53158  
USA  
Phone: 262.942.6500  
Internet: [www.cherrycorp.com](http://www.cherrycorp.com)

Sales: 262.942.6562  
E-Mail: [CEP\\_sales@zf.com](mailto:CEP_sales@zf.com)  
Fax: 262.942.6566

The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice. Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

© 2009 ZF Electronics Corporation, Last update: May 15, 2012

