

Integrated Security Devices

# G83-14401 Biometric Keyboard with Smart Card Reader



**Biometric Keyboard  
with Integrated UPEK  
Fingerprint Sensor and  
CardMan 3121-Compatible  
Smart Card Reader**

## **Main Applications**

- Rack Mount Systems
- Airlines
- Education/Schools
- Banking
- Medical Equipment
- Automotive Equipment
- POS/POT
- Office/Data Entry
- White Box PCs
- Field Services
- Test Equipment
- Kiosk Applications
- POS/POT
- Manufacturing
- Transport

## **Key Features**

- USB keyboard with fingerprint sensor and PC/SC smart card reader
- Capacitive fingerprint sensor TCS1CD from UPEK (ST-Micro) with TouchChip® technology 256x360 pixel
- Smart card reader  
CardMan 3121-compatible

## **Main Part Numbers**

### **G83-14401LPAUS-2**

Black housing, smart card reader with fingerprint sensor, Protektor suite, OEM software

### **G83-14401LPAUS-0**

Lt. grey housing, smart card reader with fingerprint sensor, Protektor suite, OEM software

# G83-14401 Biometric Keyboard with Smart Card Reader

## Part Number Legend

G83-14401LPAUS-2



## Technical Data

### Interface

USB, bus powered device

### Current Input

max. 150 mA

### Smart Card Interface

Reads and writes all ISO 7816 cards  
supports T=0, T=1, 1<sup>2</sup>C  
(S=8), 2 wire (S=10), 3 wire (S=9)

### Card Connecting Unit

approx. 100,000 insertions

### Smart Card Speed

412, 903 bps

### Insertion Cycles

approx. 100,000

### Smart Card Clock

4.8 MHz

### Clock Frequency Smart Card

4.8 MHz

### Biometric Sensor

High resolution wide area touch sensor  
TCS1CD from UPEK (ST-Micro) with  
TouchChip<sup>®</sup> technology  
256x360 pixel (508 dpi)

### Keyswitch Lifetime

>20 million operations

### Cable Length

Approx. 1.75 m

### Key Layout

Full Size 105 position US key layout  
including Windows keys

### Weight (without/with packaging)

2.62/3.30 lbs

### Dimension

17.9 x 7.7 x 2.1 (keyboard)  
19.4 x 10.0 x 2.3 (packaging)

### Packaging Units

40 keyboards per master carton  
2 master cartons per pallet

### Storage Temperature

-20°C to 60°C

### Operating Temperature

0°C to 50°C

### Agency Approvals

FCC, GS, CE, c-tick, GHOST-R, VCCI  
Microsoft WHQL Windows<sup>™</sup> 2000, XP

### Delivery Volume

Keyboard, Printed manual, CD with  
smart card reader drivers and  
Protector Suite OEM

### Warranty

2 years

## Contact

Call, fax or visit our  
website for more information.

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Last Update: 2/15/10

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