OMNIKEY® 8751 LAN Smart Card Terminal

◗ **Enables Large Variety of Applications** – Multiple interfaces and card slots for contact and contactless smart card operation

◗ **Maximum Flexibility** – Combine the advantages of PC-connected Smart Card technology and LAN connectivity

◗ **Secure Entry** – Keypad allows PIN entry for signature and log-on applications

◗ **Easy Remote Administration** – Enabled by web interface

◗ **Additional Functionality** – Thin client core and display allows customization

SECURE identity.

Developed to fulfill the demanding requirements of the German eHealth infrastructure, the OMNIKEY® LAN Smart Card Terminal combines the advantages of contact and contactless smart card security with the flexibility and connectivity of Local Area Networks (LAN).

The LAN Smart Card Terminal offers features appropriate to a wide variety of applications. Compliant to standard interfaces for PC-connected smart card readers including CT-API and PC/SC 2.01, the reader seamlessly extends the usability of existing applications to Local Area Networks.

Users can take advantage of the terminal's flexibility and mobility to access the LAN connected terminal via any LAN-enabled devices. Embedded devices with limited interfaces supporting Wireless LAN access could benefit from this technology by gaining convenient smart card reader connectivity to the terminal.

The flexible connectivity of the terminal makes it an ideal solution to improve workflows and repetitive tasks, for location-based control systems, on-the-fly personalisation systems and environments with terminal client and roaming user infrastructures. In addition, the device is certified for Secure PIN entry (SPE) which is increasingly becoming mandatory for electronic signature and log-on solutions.

The endless possibilities of the OMNIKEY LAN Smart Card Terminal can unlock new applications for convenience and flexibility, enabling identity- driven applications to improve efficiency, rationalize business processes and save money.

◗ Works with all ISO 7816 (contact) cards and ISO 14443 A/B cards
◗ Compliant to PC-reader standards such as PC/SC 2.01 and CT-API
◗ Supports LAN and Serial connection
◗ Robust housing with extra weight for safe desktop operation
◗ Supports Secure PIN Entry (SPE) mode
◗ Common Criteria EAL 3+ certified (CC EAL 3+) by BSI
◗ Complies with European digital signature laws
◗ Integrated network hub allows connection of additional network devices (e.g. printer, PC etc.) with optional adaptor

For more information, please go to www.hidglobal.com/8751de

ASSA ABLOY

Hardware Specifications	
Product code	8751
Color	White / Transparent
Dimensions (LxWxH)	8.67" x 6.3" x 3.54" (220 x 160 x 90 mm)
Weight / including wall power supply	42.68 oz / 47.62 oz (1210g / 1350 g)
Operating temperature	32-131°F (0°-55°C)
Operating humidity	10-90% rH
Composition	ABS
Connector cable	LAN 5m RJ45, Serial Sub D-9 pin
Durability	250.000 Insertions (full-size slots)
Status indicator	Multiple LEDs for secure connection to the connector and secure PIN entry
Display	Two line display 2x20 characters
PIN pad	20 keys with secure PIN entry for all cards
Sound	Beeper
Safety / environmental standards	CE, RoHS, WEEE
Compliance	
Certifications	Gematik eHealth-BCS Zulassung / In Vorbereitung: Common Criteria EAL3+ Zertifizierung & Bestätigung durch das BSI
Host Interface	
Host interface	LAN Ethernet RJ45 / Serial RS232
Transmission speed LAN	10/100 Mbps (auto sensing)
Power supply	Wall Power Supply 5V
Contact Smart Card Interface	
Standards	ISO 7816
Card types	5V, 3V and 1.8V Smart cards, ISO 7816 Class A, B and C, German eGK/HBA/SIM
Card protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I2C (S=8)
Card slots	2x ID-1 (full size, landing contacts) 2x ID-000 (SIM size, sliding contacts)
Smart card interface speed	420 Kbps (when supported by card)
Smart card clock frequency	Up to 8 MHz
Power to smart card	60 mA
Smart card detection	Movement detection with auto power-off / Automatic detection of smart card type / Short circuit and thermal protection
8 pin handling	C4 / C8 supported
Contactless Smart Card Interface	
Standards	ISO 14443 A/B with 848 Kbps (depending on card)
Driver Support & Compatibility	
Details	MKT / BCS über seriell (alle Betriebssysteme mit entsprechender Soft- und Hardware Unterstützung) / CT-API Unterstützung seriell & LAN (Windows XP & Vista) / HTTPS fähiger Client für Web-Schnittstelle (z.B. IE7, Firefox 3)
Options	Logo or colors on request / comfort signature for German eGK
Warranty	3 years

Zugelassen durch
gematik

WEBSERVER
goahead

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/).
This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com)

This product includes software developed by the University of California, Berkeley and its contributors.

MKT-OMNIKEY_8751_DS_DE

SECURE identity.

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