



CF-U1 PERSON IDENTIFICATION MINI DOCK (PIMD)

THE COMPLETE MOBILE PERSON IDENTIFICATION SOLUTION FOR BORDER CONTROL,
POLICE PATROL AND SECURITY FORCES

Fully rugged and designed to attach to the Toughbook CF-U1 Ultra-Mobile PC (UMPC), the revolutionary CF-U1 Person Identification Mini Dock (PIMD), including OCR and RFID Reader, with optional fingerprint scanner and smartcard reader, is among the most cost-competitive and powerful identity-checking solutions available today.

- Features components from world-leading passport and ID reading manufacturers, DESKO-Panasonic co-development
- Combines with CF-U1 UMPC for data processing via Genuine Windows® operating system and WWAN integration*
- Integrates compact, rugged and lightweight design
- Multi-functional integration of 2-3 lines passport OCR and high speed RFID reader, with optional optical fingerprint scanner and contact smartcard reader
- IP 54 compliant and MILD-STD 810G tested (Method 516.6 Procedure IV)
- Highest security standards and separate power management including Standby Mode

*Full Toughbook CF-U1 UMPC specification is available on request

DESKO 

TOUGHBOOK

www.toughbook.eu



MOBILE PROFESSIONAL EXCELLENCE.

The PIMD, a peripheral designed to integrate with the CF-U1 Ultra Mobile PC, offers compact, rugged and lightweight design and delivers the highest security standards with separate power management including Standby Mode.

Compact, rugged and lightweight, the PIMD is ideal for mobile workers, such as border control and security personnel, who need to check identities whilst on the move. It is equipped with the best components from the leading manufacturers in mobile identification, including Desko, Dermalog and HID Global.



Desko-designed OCR Reader for passports and ID cards

The Desko-designed OCR ID document reader checks 2- and 3-line passports and ID documents to ICAO 9303 standard. It uses OCR swipe technology with a small and compact micro OCR camera for mobile passport reading at a speed of 72-90 characters per half second.

HID Global-designed RFID Module

The HID Global-designed RFID Module with its user-friendly, document holding clip and standard PC-SC interface to support biometric reading is ideal for scanning biometric passports and documents (Mifare type a/b). The module supports Basic and Extended Access Control and complies with ICAO 9303, ISO 14443 and ISO 15693 standards.

HID Global-designed contact Smartcard Reader (optional)

The HID Global-designed Smartcard Reader with its ergonomic position is ideal for scanning any kind of Smartcard (compatible with 5V, 3V and 1.8V Smartcards). The Smartcard Reader complies with ISO 7816 Class A, B & C standards.



Market-leading Fingerprint Reader (optional)

The Dermalog-designed, high quality optical fingerprint reader has the ability to identify many types of fingerprints. The module is user friendly designed and provides easy to capture images on a 24x16mm Prisma at a resolution of 500dpi with advanced compressed file mode. The fingerprint reader is certified by BSI and FBI-FIPS.



Function	Usage	Specification
RF-ID	Tag/ID Card	ISO15693 ISO14443 Type A (Mifare) up to 848kbps ISO14443 Type B up to 848kbps
	Passport	ISO14443 Type A/B ICAO DOC 9303 BAC (Basic Access Control)
Passport OCR Reader	Passport	ICAO DOC 9303 3 Tracks / 2 - 3 line MRZ cards
Fingerprint Reader	Fingerprint	Optical fingerprint reader Area Sensor type
Contact Smartcard Reader	Smartcard Reader	- Meets ISO 7816 Class A, B & C - Compatible with 5V, 3V and 1.8V Smartcards

Certification	Destination Area	For Spec. /Property
EN 55022:2006+A1:2007	EU	IT EMI
EN 55024:1998+A1:2007+A2:2003	EU	IT EMI
EN 61000-3-3:1995+A1:2001 (+A2:2005)	EU	Flicker
EN 60950-1:2006	EU	General
EN 300 330-1 (non harm)	EU	RFID, SRD (RFID)
EN 300 330-2-V1.3.1:2006	EU	RFID, SRD (RFID)
BSI	EU Germany	Image quality equivalent to the FBI EFTS Appendix F specifications
FIPS 201	US	NIST PIV
FCC Part 15B Class B	US	EMI
FCC Part 15C	US	RFID

RFID Reader

- Single antenna RFID module reads RF chips of biometric passports and IS cards
- Meets ICAO 9303, ISO 14443 (Type A and B) and ISO 15693
- RF board features ultra-thin water resistant coating

CF-U1 Ultra-Mobile PC (mandatory)

- Intel® Atom™ Processor
- 5.6" LCD with transfective plus sunbright viewable touchscreen (WSVGA)
- Dual hot swappable batteries
- Wireless connectivity
- Lightweight - CF-U1 + 4-1 PIMD total weight 1.41kg

OCR Reader

OCR module reads 2- and 3-line travel documents (passports and ID cards) and meets ICAO 9303 standard

- OCR swipe technology
- Small, fast and cost effective
- Ideal for OCR data collection
- Fast reading cycles - 72-90 characters per half second
- High optical picture quality - 400dpi
- ID1, ID2 and ID3 compatible
- Infra-red light sensor allows for qualification of machine readable documents (MRD)

Fingerprint Reader (optional)

- Optical fingerprint scanner from Dermalog identifies many types of fingerprints
- Certified by BSI/ FBI-FIPS
- High image resolution - 500dpi
- Small image size allows fast processing (raw fingerprint image 150kb and WSQ compressed file of 18kb)

Contact Smartcard Reader

- Meets ISO 7816 Class A, B & C
- Compatible with 5V, 3V and 1.8V Smartcards