

## DESKO NEPTUN chrom®

### Water and Dust Resistant Integrated Keyboard



Our brand-new NEPTUN chrom keyboard stands out due to its state-of-the-art technical features. It is the only integrated keyboard with an IP54 rating for water and dust resistance on the entire device. It is equipped with DESKO's well-proven OCR technology for passport and ID card reading. It can not only read magnetic stripe cards, as an option it can also encrypt data while reading it. Only encrypted data is transferred to the host system.

The NEPTUN chrom is compatible with all DESKO swipe readers. They can be replaced by the NEPTUN chrom without any need for updates or changes.

The new design and outstanding technical features make the NEPTUN chrom the future standard check-in device for e.g. airlines/airports, hotels or banks around the globe.



### Your Advantages

- water and dust resistant keyboard - including swipe slot and reading area
- easy to service and repair - exchange of key matrix possible
- encrypted read head - increased safety standards
- available in different colors - black and white standard

**COLOR**  
options  
available

# “WATER AND DUST RESISTANT”



## TECHNICAL DATA

Vcc: 5V DC +/- 5%  
Icc: max. 300 mA

### Footprint:

L 385 mm (15.16 inches) ×  
W 200 mm (7.87 inches) ×  
H 43 mm (1.69 inches) Back;  
18 mm (0.71 inches) Front

### Cable Length:

2.20 m (86.61 inch)

### Reliability:

MTBF = 180.000 hours

### Host interface:

USB powered

### Driver:

For LINUX available

### Status Indicator:

Audible and visible status indicator

## Features

- Passport Reader (OCR): bidirectional swipe reader for all ICAO compliant (travel) documents, ID cards, passports, visas as well as any MRZ card
- Water and Dust Resistant: IP54 certification. The technical design of the NEPTUN chrom considers 100% ingress protection (IP). The keyboard is completely IP54 certified. This means that ALL components, the entire key matrix, including the OCR/MSR swipe slot, are protected against water spillages.

## Optional Features

- MSR Reading Module: integrated bidirectional magnetic stripe reader (3-tracks)
- RFID Reading Module: integrated RFID module to read e.g. biometric passports and Mifare cards
- China ID Reading Module: integrated RFID module specifically designed for reading China National ID Card
- Chip Card Module: integrated chip card reader
- Encrypted Read Head: required for credit card transactions as specified in PCI DSS. Integrated functionality includes Triple DES & DUKPT supporting the tokenization of credit card transactions.

## User Feedback

- Light: integrated multicolor LED on top
- Sound: integrated buzzer

## Certifications

- CE, FCC, WEEE, RoHS, IP54

## Interfaces

- USB: the keyboard is plug-compatible to all PC workstations via USB

## Documents

- Machine-readable zone of OCR documents according to ISO/IEC 7501-1 and ICAO 9303 (e.g. ID cards, passports, visas)
- Magnetic stripe documents according to ISO 7811, credit cards and debit cards as well as any type of customer cards and service cards e.g. frequent traveler cards
- RFID documents according to ISO 14443 (A/B) and ICAO 9303
- China national ID card according to ISO 14443 (TYPE B)
- Chip cards according to standard ISO 7816

