NEPTUN CHROM

NEPTUN chrom®
Water and Dust Resistant Integrated Keyboard

Our new keyboard NEPTUN chrom was designed from scratch to confront all present challenges at the work place and be one step ahead on future requirements.

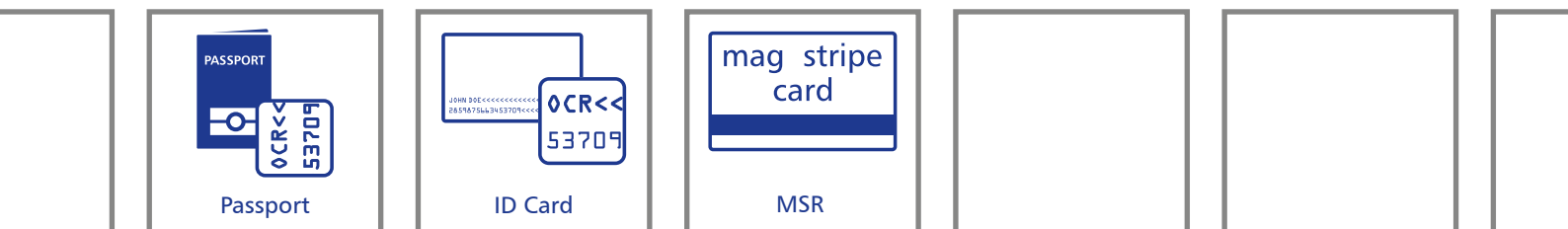The new NEPTUN keyboard comes in a handy, fresh and stylish look. Its ergonomic shape guarantees a comfortable and easy usage while minimizing the space needs on every desktop.

On the technical side, the new NEPTUN keyboard is by default equipped with an OCR & MSR reader, full travel keys and the entire device is water and dust resistant.
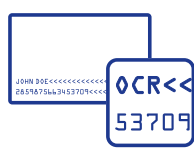
Your Advantages

- 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

Water and dust resistant including swipe slot

IP54 WATER & DUST RESISTANT

Passport	ID Card	MSR

System Approach

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 transfered 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.

Standard 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 consideres 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

- **MAGSTRIPE READER (MSR):** bidirectional swipe reader for all magnetic based cards and documents. Cards 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.

- **E-PASSPORTS:** RFID module to read e.g. biometric passports and Mifare cards according to ISO 14443 (A/B) and ICAO 9303.

- **ENCRYPTED READ HEAD:** required for credit card transactions as specifed in PCI DSS. Integrated functionality includes Triple DES & DUKPT supporting the tokenization of credit card transactions.

- **CHIP CARD MODULE:** chip card reader for e.g. credit cards according to ISO 7816 available.

- **POINTING DEVICE:** integrated mouse pointing device.

Certifications

CE, FCC, WEEE, RoHS, IP54

Interfaces

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

NEW driver for ANDROID™ available

Technical Data

Vcc:	5V +/- 5% (USB bus-powered)
Icc:	max. 400 mA
Footprint:	L 385 mm (15.2 inches) × W 200 mm (7.9 inches)
Reliability:	MTBF = 180.000 h
Interface:	USB

Color options available

The new design and outstanding technical features make the NEPTUN chrom the future standard check-in device for airlines and airports around the globe.