OCRchrom – keyboard reader

OCRchrom is an integrated keyboard that can read passports, ID cards, visas and magnetic stripe cards such as customer loyalty cards. But it can also withstand water and dust, which makes it unique and the must-have keyboard for every check-in counter. The entire keyboard, not only the key matrix but also the swipe slot at the back, is dust and water resistant according to IP 54 regulations. This means that the OCRchrom doesn´t mind a spilled glass of water. It stays fully intact even if water drops are running down the keys or the swipe slot. This unique feature will decrease downtimes and repair costs dramatically and makes sure that the OCRchrom supports you 24/7.

Your advantages

- Keyboard and reader – one device
- Water and dust resistant
- Easy maintenance
- Encrypted read head
- Exchange of key matrix possible
- Available in different colours – black and white standard

System approach

Our brand new OCRchrom 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 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 OCRchrom is compatible with all Granus swipe readers. They can be replaced by the OCRchrom without any need for updated or changes.

Interface

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

OCRchrom – keyboard reader

Passport reader (OCR)

Bi-directional swipe reader for all ICAO compliant travel documents, ID cards, passports, visas as well as any MRZ card.

Magstripe reader (MSR)

Bi-directional 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 traveller cards.

Water and dust resistant

IP54 certification. The technical design of the OCRchrom considered 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.

E-passports - optional

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

Encrypted read head - optional

Required for credit card transactions as specified in PCI DSS. Integrated functionality includes Triple DES & DUKPT supporting the tokenization of credit card transactions.

Technical data:

Vcc: 5V+/-5% cc
Icc: max. 400 mA
Interface: USB
Dimensions: 385 mm x 200 mm
Certifications: CE, FCC, IP54
Reliability: MTBF = 180 000 hodin

The new design and outstanding technical features make the OCRchrom the future standard check-in device for receptions around the globe.