



Turnstile Validator

AREA OF APPLICATION

The elegantly designed kentkart Turnstile Validator with tempered glass-protected screen and smart card technology helps public transport operators collect their revenues. Being the key element of kentkart's fare collection system, it allows the application of various types of fare structures (regional, time, or distance-based). Its various connection alternatives such as GPIO and serial port ensure easy integration to already installed turnstiles.

For all its data collection, recording, and transmission, kentkart Turnstile Validator uses the latest security standards (RSA, 3DES, AES). The device also accepts all contactless cards that support ISO 14443 A/B standards. High-quality LCD panel and audio speakers allow our validator to show various notifications and warnings. Thanks to the ethernet connection interface, the usage information is regularly shared with the center.

Turnstile Validator



- Powerful CPU
- Multimedia support (Video: TFT color LCD, audio: mp3, wav)
- Linux operating system
- Contactless card reader
- Contactless mobile payment apps
- Advanced power management modes
- PoE PD 802.3af support
- Easy installation and maintenance
- RoHS compliance
- Wide range of interface options (Ethernet, GPIO, RS232, RS485, USB)

TECHNICAL SPECIFICATIONS

Processor	1GHz ARM Cortex A8
RAM	1GB DDR3 RAM
Flash	512MB flash, 16MB backup data flash
Real Time Clock	Battery powered RTC
LCD	480×272 4.3" TFT LCD
User Interface	Screen with reinforced protection glass
Voice	Mono speaker
Communication Interface	Ethernet 10/100 Mbps, RS232/RS485 USB 2.0 (host/client)
Power Supply	PoE PD 802.3af, 18-32V DC
Smart Card Reader	1xID-000 SAM card (internal) ISO7816, GSM standard
Memory Card Reader	Micro SD card reader
Contactless Card Reader	ISO 14443 Type A/B, NFC, Level 3 card: Mifare Classic, UL, ULC, My-D Move Level 4 card: Mifare DESFire, Plus, ISO 7816-4 compliant Smart Cards, Java Cards, Contactless Credit Card
Operating temperature	-20°C... +70°C
Storage Temperature	-30°C... +80°C
Humidity	10%... 90%
EMC	EN 55022, EN 55024, EN50155
LVD	EN 60950-1
Vibration and Shock Testings	60068-2-6, 60068-2-27, EN60721-3-5
Certificates	Contactless EMV level 1, Contactless EMV level 2, MasterCard, Visa and Kernels
Dimensions	215 × 146 × 72mm