QR Validator

Specifications

- Powerful Processor
- Multimedia Support (Video: TFT Graphic LCD, Audio: mp3, wav)
- Operating System (Linux)
- PoE PD 802.3af
- 2D Barcode Scan Engine (QR Code Reader)
- Extensive Connectivity (Ethernet, GPIO, RS232, RS485, USB)
- Contactless Card Reader
- Contactless Mobile Payment Applications
- Advanced Power Management Modes
- Easy Installation and Maintenance

Application Areas

The elegantly designed QR Validator helps public transport operators to collect their revenues safely by using contactless smartcards and QR coded tickets. **kentkart** technology enables the application of multiple fare-table configurations to all operating validators with a wide range of communication interfaces (zone, time-based or check-in/check-out fare tariffs) at all times. Validators are enriched with embedded Ethernet and USB modules. **kentkart** facilitates intermodal transportation and ticketing just by a single media at public transport buses, trolleybuses, trams and minibuses in a single city or region. This media can also be used as an alternative payment instrument in retail shops, museums, recreational sport centers and parking slots.

kentkart uses widely known security standards (RSA, 3DES, AES) on its validators both for transaction and for storage and communication. QR Validator can read standard ISO 14443 A/B type contactless smartcards. Transactions or other event notifications are done through LEDs, LCD and/or audio.

About kentkart

kentkart was established in 1998 in Izmir for supplying, integrating and managing Automatic Fare Collection Systems by using smart card technology.

kentkart is the first company in the world to integrate AFC using smart cards with a vehicle tracking system and to put it in operation on vehicles.

kentkart has been awarded for "Best Application in Transportation Using Contactless Smart Cards" in Paris, SESAMES 2000 with the Izmir project.
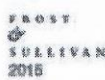
kentkart
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Processor	: 1GHz ARM Cortex A8
Memory	: 1GB DDR3 RAM
Flash	: 512MB flash
	16MB redundant data flash
Real Time Clock	: Battery powered RTC
LCD	: 480x272 4.3" TFT LCD
Voice	: Mono output (speaker)
User Interface	: Capacitive touch screen (optional)
	4 indication LEDs
Communication Interface	: Ethernet 10/100
	RS232/RS485
	: PoE PD 802.3af
Power Supply	: 2xID-000 SAM card (internal), ISO7816, GSM standards
Smart Card Reader	: MicroSD card reader
External Card Reader	: ISO 14443 Type A/B, NFC
Contactless Card Reader	Level 3 cards: Mifare Classic, UL, ULC, My-D Move, Level 4 cards: Mifare DESfire, Plus, 7816-4 File System Smart Cards, Java Cards, Contactless Credit Cards
Barcode Reader	: 2D barcode scan engine
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 &Shock	: 60068-2-6, 60068-2-27, EN60721-3-5
Certificates	: EMV Level 1 certified Mastercard 3.1.1 and Visa 2.1.3 Kernels
Dimensions	: 215 x 146 x 72 mm

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TRANSPORT
TICKETING
Awards
2014

FROST
&
SULLIVAN
2015

CMA
WINNER

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