



Top Performance On A Tiny Footprint

Ticket printer, validator, payment terminal & automatic vehicle location in a box.

Smallest Ticket Printer And On-Board Computer

BENCHMARKS

- **New arrangement of passenger interface**, Highly ergonomic, DDA compliant, privacy friendly, specifically designed to accommodate driver assault screens
- Driver interface supports **capacitive touch** or keyboard
- Low profile, **reducing blind spot** in driver sight
- High-speed **RFID & printer** for reducing boarding times
- Market leading **ITSO performance**, support of **Calypso, VDV-KA**
- **Integrated WIFI-antenna** 802.11a/b/g/n cuts down installation effort
- **Integrated on-board computer** with AVL & ITCS functionality
- **Unique paper capacity** allowing paper as wide as credit card length and reducing down time and paper handling



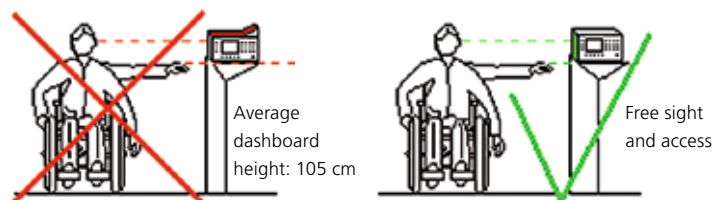
SERVICE

METRIC offers customised service packages, from telephone support through to a complete on-site service. On request, we will embed your existing service structures that can be integrated into an overall concept ensuring optimal technical support.

BACK OFFICE SYSTEM

The back office system metric.office is based on fully configurable software capable of providing detailed statistical analysis.

- Highly modularised
- Flexible ticket layout editor
- Powerful tariff and route network administration capable of handling even the most complex tariff systems
- Standardised hardware and network components – scalable
- Detailed statistical sales analysis, using customisable selection criteria



TECHNICAL DATA*

Processor

- Main processor: 800 MHz 32 bit RISC CPU PXA320, 1 GB Flash, 256 MB SDRAM, SDHC slot
- 32 Bit real-time processor for time critical functions
- Crypto-processor for card processing operations

Driver interface

8" SVGA colour display (800 x 600), capacitive touch screen or
5.7" VGA colour display (640 x 480) with 46 keys (10 softkeys, 12 free programmable function keys)

Passenger interface

Reflective customer display with white backlighting, graphics capable, 98 mm x 26 mm, i.e. freely configurable character size, traffic light style and progress indicator for card status

Audio

True-sound integrated loudspeaker, audio output

Printer

- Configurable ticket format, width up to 86 mm, grammage 60–120 gm², 110 mm roll diameter (up to 2400 tickets in credit card format)
- Graphics capable 200 dpi thermal printer
- Ticket dispenser speed max. 250 mm/s
- Integrated cutter

Interfaces

- RS 232, RS 422, RS 485, optional IBIS
- Ethernet, USB 1.1. Master, USB 1.1 Slave
- Digitale I/O (6 x), WLAN 802.1 a/b/g/n, WPA2
- Programmable numeric storage in base plate
- Connector for metric.smartfare validator
- Integrated reader for contactless chip cards (RFID)
- RFID card theme standards: ISO 14443a/b (ISO 15693 on request), VDV-KA, ITSO
- Integrated ISO7816 high-speed SAM reader with 1 or optionally 4 slots, 5/3/1.8 V

Casing

- Compact ergonomic design
- Designed for right- and left-hand drive
- Colour RAL 7046
- IP 54, UL94-V0 5VB

Size [in mm]

227 x 255 x 196 (W x D x H)

Base plate

Mechanical raster catch on base plate, lockable

Operating voltage

- 18 – 36 V DC, sleep < 20 mA, nom < 2 A, reverse polarity protection
- Self-charging internal back-up battery, battery life 5 years

Options/accessories

Base plate with vehicle ID tag, GPS Receiver, GSM/GPRS/3G vehicle modem, on-board network switch, hole punch, metric.smartfare contactless pole mount validator, WIFI depot ground equipment, Server PC

* List of features includes optional items.

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