

V900 family

V980



Key features

- The 8 inch touchscreen allows a more demanding intuitive user interface
- Performant hardware platform for developing the most demanding user experience
- Compatible with the newest and most secure payment technology
- Universal pole mounting kit for V900 validator family
- High quality wireless communication through external antenna's
- Strong design with a multitude of mechanical security features
- Flexible Linux Yocto OS allows seamless application integration

Technical Specifications

HUMAN INTERFACES	• 8 inch or 115 x 86 mm HxW colour portrait LCD display • 720 x 480 pixels, 262.144 colours • Brightness: 430 cd/m2 • Capacitive touchscreen or only display • Ambient light sensor, automatical adjustment of the brightness of the display • Tempered glass, 3 mm, IK07, anti-glare • 4 programmable LED indicators • 2 Watt speaker
COMPUTER	i.MX8M Mini with 4x Arm [®] Cortex [®] A53 2 GB eMMC, 2GB LPDDR4-RAM, 32 GB SD card
OPERATING SYSTEM	Standard Yocto Linux + SDK + developer guide
ELECTRICAL INTERFACES	Via mounting kit connector • 10/100 Mb/s Ethernet • RS232 port • 2xDigital input (option); 2xDigital output (option) • external antennas On the back of the validator (see picture) • 1xUSB 2.0 port for maintenance purposes
CONTACTLESS INTERFACE	ISO 14443 Type A/B, ISO 18092 Initiator, Felica, Card Emulation Mode Level 1: EMV, EMV Contactless L1 3.X, EMV Contactless L2's, Level2: AMEX, Discover, Interac, Mastercard, Visa, MadaPay, NETs/PURE, RuPay, UPI, JCB, MIR Apple VAS, Apple ECP2, Google Pay SmartTap, MiFare Suite Payment Card Industry Data Security Standard (option)
BARCODE INTERFACE	Dual QR/1D barcode reader (option)
COMMUNICATION INTERFACE	Options: 4G/Wi-Fi/ GPS Above wireless connections need an external antenna (via the connector)
SAM	4 SAM sockets ID000 ISO 7816 format
DIMENSIONS (TOTAL)	318 x153 x149 mm HxWxD (with mounting kit)
WEIGHT	2 Kg
POWER	Input 9 to 36 VDC with reverse polarity protection 24 VDC nominal
OPERATING ENVIRONMENT	-25 °C to +55°C Relative Humidity: 5 to 95%, non condensing Ingress protection: IP54 (EN 60529) Shock and vibration: IEC 61373 Cat. 1
MECHANICAL SECURITY	PCI PTS hardware ready (option)
COLOUR	Validator: default yellow, optional colours are available Mounting back: default dark grey
STANDARDS	CE Marking Directive' (93/68/EEC), including: • Electromagnetic Compatibility (EMC - EN55022) • EN55024, Immunity standard • Electromagnetic interference ECE R10 Rev.3 (ISO11452-2) • EC2004/104 and 7637-2 • Radio Equipment Directive (RED) E6 road certifications EN 50155:2018 Railway applications – Rolling Stock – Electronic Equipment
MOUNTING KIT	Universal pole mounting kit for V900 Validator family For poles between 30 to 40 mm in diameter Mounting kit cover to replace the validator 1-Wire protocol interface

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Technical data is subject to change without prior notice