

Validator Family

S935 - LEDS



Key features

- Economic 3.5" hardware platform for developing performant solutions
- Compatible with the newest and most secure payment technology
- Extended wireless communication via internal antenna's
- Strong design with a multitude of security features
- Flexible Linux Yocto OS allows seamless application integration
- LED lights on top and both sides for improved validation visibility

Technical Specifications

HUMAN INTERFACES	3.5 inch colour landscape LCD display 240 x 320 pixels, 262.144 colours Capacitive touchscreen or only display Ambient light sensor, automatical adjustment of the brightness of the display Tempered glass, 3 mm, IK07, anti-glare Speaker RGB Side leds for visual feedback (option)
COMPUTER	OSM-S i.MX93 module (2x Arm® Cortex®-A55 @1.7 GHz) 1GB LPDDR4-RAM (option 2GB) 4GB eMMC (option 4GB to 64 GB) 64GB µSD card
OPERATING SYSTEM	Standard Yocto Linux + SDK + developer guide
ELECTRICAL INTERFACES	Via mounting kit connector • 1 x Ethernet port (10/100 Mb/s) • 1 x Ethernet port (option) • 24V Power supply, GND and Earth
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	4G/Wi-Fi/ GPS (option) All antennas are inside the system
SAM	2 SAM sockets ID000 ISO 7816 format 2 SAM (option- an add-on board with two SAM sockets can be installed)
DIMENSIONS (TOTAL)	181 x 102 x 103 mm HxWxD (with mounting kit)
WEIGHT	0.5 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)
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 RoHS directive (2011/65/EU). UNECE R10, rev 6, certification (E Mark) UNECE R118, rev 2, certification (E Mark)
MOUNTING KIT	For poles between 30 to 40 mm in diameter 1-Wire protocol interface Dallas chip in cradle

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Technical data is subject to change without prior notice