EPC 5.0 B2

Check-in assembly of the EPIS system in **PP with EPP and EPT only**



EPIS 5.0B is a customized continuation of the EPIS 5.0A on-board computer with check-in. EPIS 5.0B consists of the following components:

- the wide-angle LCD touchscreen terminal EPT 5.10A-02 >
- > EPC 5.0 Bx control unit based on a 4-core PC
- > the customer passenger check-in unit EPP 5.0A QB, which includes a printer, bank and non-bank card reader, QR code reader, no customer display (black cover glass only),
- > EPI 5.0Bx power supply unit (IJN50),
- > external vehicle identifier...

Compared to the EPIS 5.0A version, it has improved communication via CAN bus and, most importantly, it allows ondemand wake-up if it is kept in a separate APN in the GSM network. The APN network is necessary in order to prevent hacker attacks from outside the internet, as these attacks would constantly "activate" the computer. This allows updates/downloads to be made at any time (GSM/LTE is constantly on) and during inactive times the computer consumes up to 10 mA, i.e. it does not put any strain on the vehicle batteries.

Basic features

- ≻ Control processor - INTEL E3845 series, quad-core with a 40-second ramp-up time.
- > RAM - 2 GB DDR3.
- Internal memory 32 GB SSD (capacity can be changed).
- Driver announcements 1×5 W (included in the on-board computer unit).
- Reporting to the car and outside the car 2×20 W (output via docking connector).
- >>>>> Microphone - integrated in the front of the touchscreen LCD driver terminal EPT 5.10A.
- Wired connectivity 2 × Ethernet of which 1 × Gbit/s., 1 × 100 Mbit./s., standard IBIS, combined CAN/RS 485 bus, 2 × USB 2.0 and USB 3.0.
- > Wireless connectivity - LTE modem (up to 100 Mbit/s), Wi-Fi IEEE 802.11 b/g/n/ac module (up to 430 Mbit/s). Single-bit inputs/outputs - 4/4.
- > > > GNSS - SIRF STAR IV technology - accuracy approx. 2.5 m (GPS and GLONAS).
- Internal battery to eliminate short-term power outages from the vehicle's on-board power supply.
- > Powerful power supply unit for the possibility of powering peripherals up to 24 V/30 A.
- > LCD - 10.1" widescreen , 1280×800 resolution, luminance min. 500 Cd/m2, touch screen, backlit membrane keyboard.
- > Check-in unit with thermal ticket printer (for 80 mm wide paper), bank card reader, QR code reader and acoustic signalling to passenger.
- > Slots for up to 2 SAM modules (4 modules on request).
- ≻ Easy installation in the vehicle.
- > Customer display 4,3"

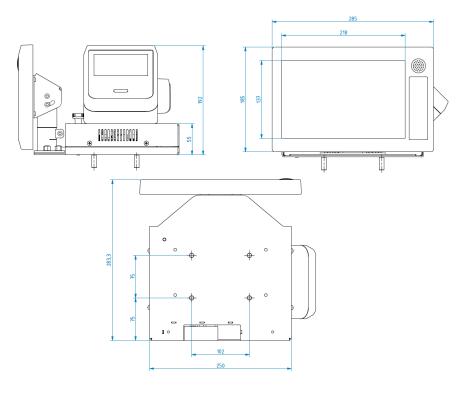


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Parameters of unit

Parameters of EPC 5.0 B1	
Dimensions (w × h × d)	285 × 192 × 283 mm
LCD features	10.1", 1280 × 800 pixels
LCD backlight lifetime	50 thousand hours, LED backlight type, 500 cd/m ² luminance,
LCD light control	Automatic by photocell
Touch layer type	Capacitive, hardness H7 (glass)
Supported card types	Mifare, Mifare Desfire
Printer	YES - thermal printer (for 80 mm paper)
Print resolution	8 dots/mm (203 dpi)
Print speed (max)	250 mm/s
Print lifetime	150 million pulses / 150 km paper
QR code reader	YES
Contactless smart card reader	According to banking standards for EMV cards + MIFARE Classic 1K, 4K and MIFARE DESFire EV1 2K, 4K, 8K
SAM modules	YES - 2 (can be expanded to 4 slots)
Controller type	INTEL E3845 series, quad-core with 40 seconds start-up time, LINUX OS
Acoustic signalling to the driver	YES (5 W integrated speaker)
Acoustic signalling to passengers	YES (2 × 20 W output)
Data interface	2 × Ethernet - 1 × Gbit/s., 1 × 100 Mbit./s., CAN/RS 485, 2 × USB 2.0 and USB 3.0, LTE modem (up to 100 Mbit/s.), Wi-Fi IEEE 802.11 b/g/n/ac
Operating temperature	-20 °C to +70 °C
Relative humidity	10% to 95% at 40°C, non-condensing
Power input	16-32 V to 20 A
Weight	8.5 Kg
Consumption at rest	10 W

Mechanical dimensions





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