



Public Transport

PT-MBCT-18233

PT-MBCT-18233 Main Board Computer

Features

- GSM/GPRS/3G/4G modem
- GPS receiver
- VGA interface
- Display DC-power output
- USB port
- Serial port
- 3 Digital Inputs
- 4 Digital Outputs
- Wide input DC power supply
- Diagnostic LED's on front panel
- Ethernet interface ITxPT compliant
- Ethernet link and activity indicator
- OTA updates (linux based)
- Robust aluminium case
- Easy installation and maintainability
- CE Railway Certified



Description

The Main Board Computer is part of the INDICO-system. This unit is the gateway for all sub-systems used inside a tram or bus.

The MBCT communicates with one or two INDICO TCCU modules and other internal vehicle bus protocols using the Ethernet 10/100 Mb standard with a M12 ITxPT compliant connector. Open protocols can be implemented based on Ubuntu linux. Additional sensor/actuators can be connected using the 24V PNP/NPN type I/O.

Design and manufacturing of computer systems for industry and science



Public Transport

PT-MBCT-18233

Technical Specifications

PROCESSOR BOARD	:	1x	Processor: Atom, 1.33 GHz 533, Memory: 2Gb DDR OS : Linux Embedded
SERIAL INTERFACES	:	1x	Ethernet 10/100 Base-T, M12 D-Type connector
	:	1x	USB
	:	1x	Serial (Fully RS-232 compatible)
WIRELESS INTERFACES	:		GPS, 16 channel receiver
	:		GPRS/3G/4G modem
DIGITAL INPUTS	:	3x	NPN or PNP selectable per input, opto isolated 24 Volt, 10 mA typ. one input is reserved for ODO interface
DIGITAL OUTPUTS	:	4x	sourcing or sinking, short circuit protected 24 Volt, 600 mA max. per channel total 2 A max.
AUDIO INTERFACE	:		line output line input (2G Only)
VGA INTERFACE	:		VGA Standard compatible
MECHANICAL			
Height	:		90 mm
Width	:		198 mm
Depth	:		234 mm
Connectors	:		all at the frontside
ENVIRONMENTAL CONDITIONS			
Max. operating relative humidity	:		90 %, no condensation
Operating temperature	:		-25 °C – + 55 °C
Power supply requirements	:		24 VDC +25/-30%, 1 A typ. @ 24 Volt nominal
WARRANTY	:		2 year
CERTIFICATION / CONFORMATION	:		EN50155-T1; EN50155 (2007); IEC 61000-4 CE

Design and manufacturing of computer systems for industry and science