

PT-TCCU-18234 Cabin Controller

Features

- SDR (KAR) , Short Distance Radio
- 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 fan less case
- Easy installation and maintainability
- CE Railway Certified



Description

The Tram Cabin Controller Unit is part of the INDICO-system. This unit is the interface for all sub-systems used in a cabin of a tram or bus. It is fully compatible with an 7"-Operator Interface with capacitive touch screen. The sub-systems functionalities in a cabin are communication with Traffic Control Centre Operators, priority request using SDR and or VETAG/VECOM for Traffic Light Controllers and switches. The TCCU communicates with a INDICO Main Board Computer or any other Main Computer application using the Ethernet 10/100 Mb standard with a M12 ITxPT compliant connector. Open protocols can be implemented based on Ubuntu linux.



Public Transport

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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/2G modem (3G/4G optional)
	:		SDR modem, Short distance radio Dutch Standard.
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

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