

ON-BOARD BOX PC PROSYS

ON-BOARD PASSENGER INFORMATION SYSTEM



FEATURES

- Powerful
- Quiet
- Durable



THE HEART OF YOUR PASSENGER INFORMATION SYSTEM

Here, everything comes together: exterior and interior displays, LED activations and TFT displays with LED backlight, audio, connection to the IBIS interface and to your network. Box-PC ProSys combines the different on-board systems and connects them to the digital world outside by converting different telegrams and protocols.

The box centrally controls the most common display technologies and thus integrates your complete passenger information system within the vehicle. The box has a modular construction and can be combined with the latest software components.

You get an integrated solution for buses and trains that meets all connectivity requirements. With Box-PC ProSys, you're not just opting for a universal control unit – you're investing in the future.

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TECHNICAL DATA

Order Information	
LTG Switzerland GmbH	imotion BOX.basic_R2 imotion BOX.advanced_R2
LTG Rastatt GmbH	ProSys
Computer	
Processor	AMD Fusion embedded G Series Variant 1: T52R, 1.5 GHz, Single Core Variant 2: T56N, 1.65 GHz, Dual Core
Memory	Variant 1: 8 GB SD-Card (Flash) Variant 2: 32 GB mSATA SSD (Flash)
RAM	Variant 1: 1 GB RAM Variant 2: 2 GB RAM
Software	
Operating System	LINUX
Electrical Properties	
Operating Voltage	24 VDC (12 - 32 VDC)
Power Consumption	Approx. 35 W
Interfaces	
Digital In	3 x
Digital Out	2 x
Ethernet	2 x (M12)
Vehicle Signal	Car hold, door signal, direction puls
DP (DisplayPort) Output	4 x (2 channels)
IBIS-Master (VDV 300)	1 x
IBIS-Slave (VDV 300)	1 x
MONO-Master	1 x
RS232	1 x
RS422 / RS485	1 x (Add-on Product)
CAN-Highspeed-Bus	1 x
Audio Line-Out	2 x
Audio Microphone-In	2 x
USB	1 x (USB 2.0)
Wireless Connection	LTE (4G) 2x SIM-Cards / WiFi / GPS (Add-on Product)
Mechanical Properties	
Weight	3.7 kg
Dimensions	394 mm x 218 mm x 60 mm
Color / Surface / Material	No color / heat sink: aluminum, bare
Cooling	Passive
Environment	
Operating Temperature	-40°C to +70°C
Relative Humidity	95%
MTBF	200'000 h (at 40°C)

Disclaimer

Features and specifications are subject to change without notice. Properties relating to the Goods contained in this document do not constitute the product specifications but typical values for purposes of description only. February 2023

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TECHNICAL DATA

Standards	
DIN 5510 (Fire protection in rail vehicles)	Compliant
DIN EN 45545 (Fire protection in rail vehicles)	Compliant
DIN EN 50121-3-2 (Rail EMV)	Compliant
DIN EN 50155 (Rail)	Compliant
ECE-R10 (Bus, EMV)	Compliant
ECE-R118 (Fire resistance of materials used in buses)	Compliant
ISO 16750 (Electrical and electronic equipment for motor vehicles)	Compliant
ITxPT	Compliant
VDV-300 (IBIS)	Compliant
VDV-301 (IBIS-IP)	Compliant
Accessories	
Cable holder plate	07.00.03.53.11093 (LTG Switzerland GmbH) XBEF082C19W (LTG Rastatt GmbH)

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