

ON-BOARD BOX PC MINI

ON-BOARD PASSENGER INFORMATION SYSTEM



FEATURES

- Small
- Quiet
- Durable



THE COMPACT, UNIVERSAL CONTROL CENTER

The imotion BOX.mini may have a small housing, but its functionality is impressive: it is internally operated by reliable hardware and software using energy-efficient ATOM E3825 processors. imotion BOX.mini combines the different on-board systems and connects them to the digital world outside.

The box centrally controls all display technologies, such as LED displays or TFT displays with LED backlight. It integrates your complete passenger information system, including audio, and can be connected to IBIS and your existing network.

An inexpensive, integrated solution for buses and trains that meets all connectivity requirements: it's straightforward, efficient and open to anything – just like a control center should be.

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TECHNICAL DATA

Order Information	
LTG Switzerland GmbH	07.02.43.97.710/1 imotion BOX.mini_R1_WES8_BT-3825_2GB_16GBs
	07.02.43.97.712/1 imotion BOX.mini_R1_WES8_BT-3825_2GB_32GBs
Computer	
Processor	Intel Atom E-3825 Dual Core
Memory	16GB mSATA (Solid State Drive with iSLC)
Software	
Operating System	Windows 8 Embedded Standard
Electrical Properties	
Operating Voltage	24 VDC (9 - 32 VDC)
Power Consumption	25 W (max)
Interfaces	
Digital In	6 x galvanically isolated
Digital Out	2 x galvanically isolated
Ethernet	1 x (10/100 Mbit/s) M12 Connector
Vehicle Signal	Stop on request, door signal
DVI Out	1 x
IBIS-Slave (VDV 300)	1 x
RS485	1 x
USB	1 x (USB 2.0)
Mechanical Properties	
Weight	2.6 kg
Dimensions	455 mm x 267mm x 58.5 mm
Cooling	Passive
Environment	
Operating Temperature	- 40°C to +85°C
Relative Humidity	95%
MTBF	200'000 h (at 40°C)
Standards	
DIN EN 45545 (Fire protection in rail vehicles)	Compliant
DIN EN 50121-3-2 (Railway application - Electromagnetic compatibility)	Compliant
DIN EN 50155 (Railway application - Electronic equipment for rail vehicles)	Compliant
ECE-R10 (Electromagnetic Compatibility)	Compliant
ECE-R118 (Fire resistance of materials used in buses)	Compliant
ISO 16750 (Electrical and electronic equipment for motor vehicles)	Compliant
ITxPT (Open IT architecture for Public Transport)	Compliant
VDV-301 (Internet protocol based integrated on-board information system/IBIS-IP)	Compliant

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