

Key features

- > Interactive communication platform
- > Modern slim design
- > Easy to install



DRIVER CONTROL UNIT

DIGITAL ADMINISTRATON SYSTEM

The Driver Control Unit (DCU) functions as an interactive communication platform for the bus and its equipment. This unit is the driver's frontend and communications link to the IBI system. It allows the driver to perform sign management, manage voice announcements and access the communication system to the operations office.

The DCU collects data and continuously signals to the IBI system and from there the collected data can be distributed to other channels such as the infotainment displays, voice announcement system and back-office systems.

MORE FEATURES

The DCU shows an overview of the journey in progress, matched with the timetable and with distance in time to the front and rear bus. This gives both the driver and the operation office a very good overview.

The unit can also be used for direct voice calls between the driver and the operation office.

MODERN DESIGN

The new unit has a modern, slim design and a low weight. It is easy to install and can with a few adjustments even be installed directly in the bus panel.

DRIVER CONTROL UNIT

Technical specifications

SYSTEM	
CPU	Intel Atom E3825 dual core @1.33 GHz
Memory	4 GB DDR3L SO-DIMM
Graphics	Intel HD Graphics
Disk	mSATA 32 GB SSD (Innodisk)
LAN	Intel I210IT Gigabit LAN
Modem	4G/LTE + GPS
Watchdog	Built into Power supply in order to power cycle the unit. User selectable timeout 0 – 65535 s
Power	DC input 9V – 36V, ISO 7637 compliant

INTERFACES	
Video	1 x DisplayPort 1 x VGA
USB	1 x USB 3.0 1 x USB 2.0
LAN	1 x RJ45
Serial	1 x RS232/RS422/RS485, BIOS selectable
4G/LTE	1 x SMA for antenna
GPS	1 x SMA for antenna
Audio	2 x Line out in Phoenix 9-pin connector 1 x Mic in in Phoenix 9-pin connector
GPIO	2 x In 12 V, 2 x Out 5V

INTERNAL INTERFACES	
SATA	1 x 7 pin SATA connector
SATA POWER	1 x 4 pin connector
mPCIe	2 x Full size slots (One occupied by LTE & GPS and one occupied by disk) 1 x Half size slot - free

ENVIRONMENTAL	
Operating temperature	-30 ~ 60°C
Storage temperature	-30 ~ 80°C
Shock operating	3 dimensions, 6 directions: 50g-11m. According to ISO16750-4
Vibration	3 dimensions, 10-150Hz: 2g According to ISO16750-4

MECHANICAL	
Housing	Aluminum
Dimensions	2500x 140 x 45mm
Mounting	Bracket for all directions
Weight	950 g
Approvals	Directive 2004/104/EC, EMark 13 RoHS (Self declaration) R&TTE directive 1999/53/EF (only for RF modules)



RoHS Compliant 2002/95/EG

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