emsyscon solutions

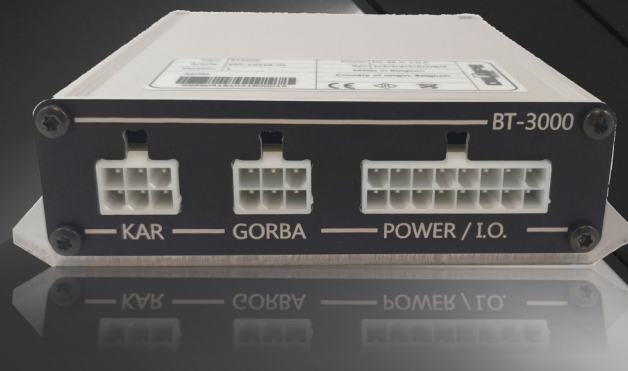Member of Prodata Mobility

BT3000

The BT3000 Bluetooth communication controller is designed specifically for the use in public transport, e.g. buses, ferries, trams, railway, and other transportation means.

The BT3000 can communicate with the 'main driver console' and translate commands from this console to other devices, such as Satel short distance modems, Gorba line films …
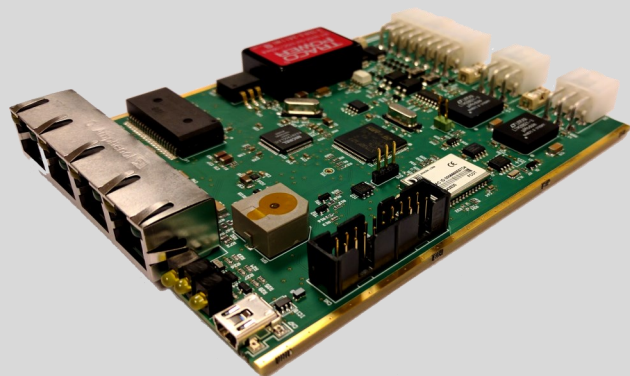
An integrated 5-port Ethernet switch allows to communicate with other Ethernet connected devices like validators.

Both the enclosure and electronic components of the BT3000 have been designed to withstand extreme temperature ranges, humidity, and shocks.

Key features

- Internal fully-certified Class 2 Bluetooth 2.1 interface

- Integrated Ethernet switch

- 2 RS232 to communicate with external devices

- Wide input power 10-36V

- Compact dimensions to ease installation

Specifications BT3000

Mechanical

Dimensions	Millimetres	Inches
Enclosure:	135 L x 125 W x 37 H	5.31 L x 4.92 W x 1.46 H
Weight	**Grams**	**Lbs**
Enclosure:	450	0.99

Environmental

Temperature	Celsius	Fahrenheit
Operating temperature:	-20 °C to +70 °C	-4 °F to +158 °F
Storage temperature:	-30 °C to +80 °C	-22 °F to +176 °F
Humidity		
Operating humidity:	< 75% RH	
Storage humidity:	< 93% RH	

Electronic

Intelligence:	ARM Cortex M4 CPU
CPU memory:	1024K Flash 192K RAM
External memory:	8K EEPROM 16Mbit SPI flash
Interface types:	2 Serial interfaces (isolated RS232)
USB:	1 USB OTG via mini USB connector
LAN:	4 Ethernet 10/100/1000 Mbit
Audio:	On-board PWM buzzer
I/O:	2 Optical isolated inputs 2 Optical isolated outputs
Bluetooth:	Fully certified Class 2 Bluetooth 2.1 interface
Power supply:	Switched mode power supply Wide input voltage (10-36V)