BUCHER automation

JetControlMobile 501

STX-programmable controllers



- 32-bit/500 MHz controller
- Compact geometries
- Advanced connectivity

Description

The JCM-501 is a central controller of compact build designed to control distributed architectures.

Geared with 2 CAN ports alongside RS232, USB and Ethernet interfaces, and a well-proven, powerful 32-bit CPU, it is ideally suited for handling systems of simple to medium complexity.

The built-in real-time clock completes the range of functions.

Technical specifications

CPU	iMX 35, 32-bit, 500 MHz
Memory: RAM – application – non-volatile	128 MB RAM – 512 MB flash – 128 kB MRAM
Programming	Logic circuit: IEC61131-3 STX
Operating system	WinCE 6.0
Operating voltage range	DC 8 ... 32 V
Operating/storage temperature	-20 °C ... +65 °C/-30 °C ... +85 °C
Ports and interfaces	
CAN	2 CANopen, SAE J1939, ISOBUS 11783 (option: second interface)
USB	1
Ethernet	1
RS232	1
RTC	Option
Operation and diagnostics	2 status LEDs (three-colored each)
Connectivity	Deutsch DT06-12S
Degree of protection	IP65
Vibration	DIN EN 60068-2-64, Cat. 2
Shock	DIN EN 60068-2-64, 30 g
Protection against polarity reversal	Yes

Pinout

Model with Deutsch connector and COM module

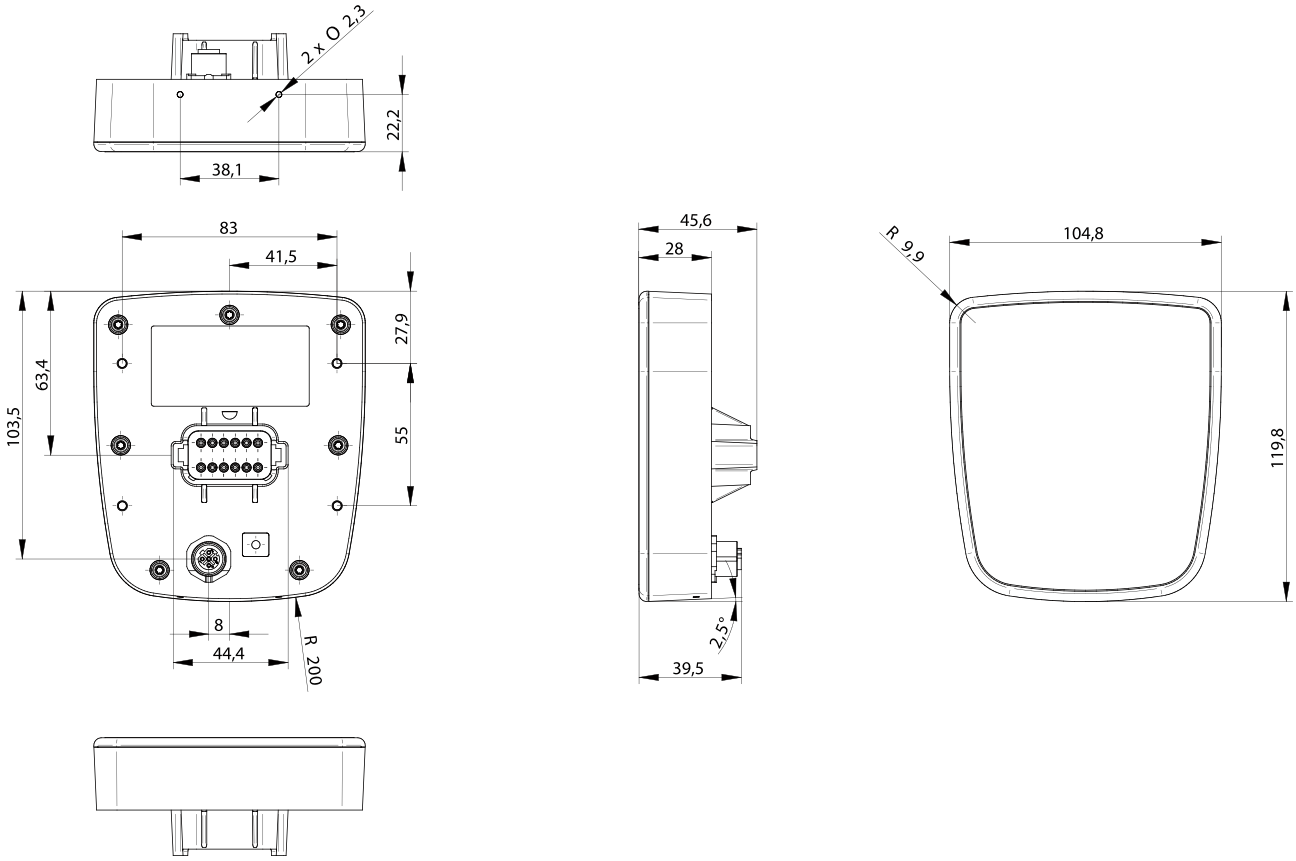
Ground	1
USB+	2
USB DP	3
USB DM	4
USB-	5
Power supply	6
RS232 TxD	7
RS232 RxD	8
CAN1_L	9
CAN1_H	10
CAN2_L	11
CAN2_H	12

Pinout

M12 female connector, 4-pin, D-coded

ETH_TX+	1
ETH_RX+	2
ETH_TX-	3
ETH_TR-+	4

Dimensional drawing



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Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

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