

JetControlMobile 501

Master controller for mobile machinery

Short description

The compact master controller JCM-501 forms the heart of compact, distributed architectures.

With 2 CAN interfaces, RS232, USB and Ethernet port, as well as the proven, powerful 32-bit CPU it can be used in system solutions of simple to medium complexity.

An integrated real-time clock completes the range of functions.

Features

- Controller 32 bit/500 MHz
- Compact design
- High connectivity



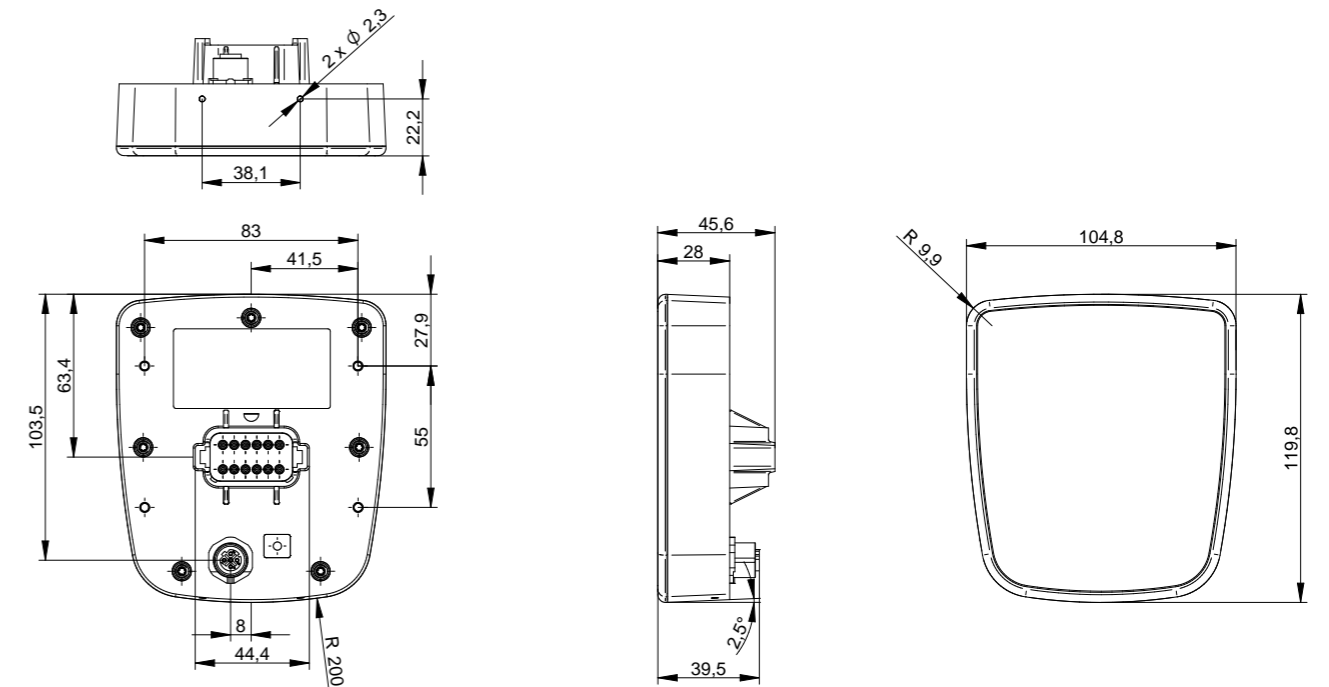
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Technical Data

JCM-501	
CPU	iMX 35, 32 Bit, 500 MHz
Memory	RAM - Application - Non-volatile 128 MB RAM – 512 MB Flash – 128 kB MRAM
Programming	Logics: IEC61131-3 STX
Operating system	WinCE 6.0
Operating voltage	DC 8 ... 32 V
Operating/storage temperature	-20 ... +65 °C/-30 ... +85 °C
Ports and interfaces	
▪ CAN	2 CANopen®, SAE J1939, ISOBUS 11783 (option: 2 interfaces)
▪ USB	1
▪ Ethernet	1
▪ RS232	1
RTC	optional, replaceable battery
Connector	Deutsch DT06-12S
Degree of protection	IP65
Vibration	DIN EN 60068-2-64, Cat. 2
Shock	DIN EN 60068-2-64, 30g
Protection against polarity reversal	Yes
Verpolschutz	Ja

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

Dimensional drawing



Connector pinout

JCM-501	
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

JCM-501	
M12 connector (female) 4-pole D-coded	
ETH_TX+	1
ETH_RX+	2
ETH_TX-	3
ETH_TR-	4

