



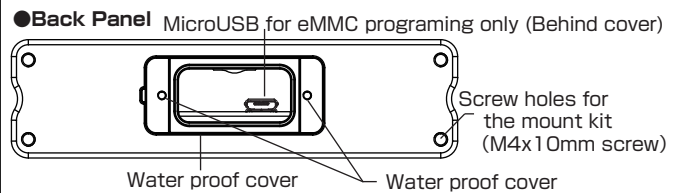
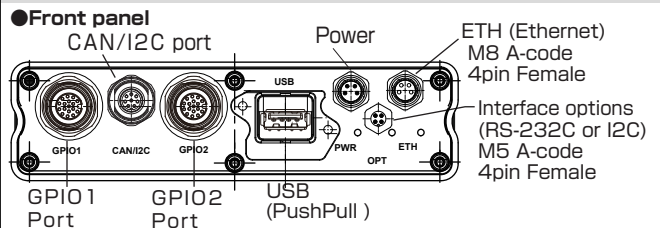
## Product Specification

Processor	BCM2837B0, 1.2 GHz, quad-core	
Memory	1GB RAM, 8/16/32GB eMMC(Selectable)	
OS	Raspbian	
Interface	Front	1x Power: M8 A-code 4pin Male 1x LAN : M8 A-code 4pin Female 1x USB2.0: PushPull/USB2.0 Type-A 2x GPIO1/GPIO2: M12 A-code 17pin Femal 1x CAN/I2C: M8 A-code 8pin Femal
	Back	1x microUSB: microUSB Type-B(eMMC only)
Interface options	Select by model 1xRS-232C or I2C: M5 A-code 4 pin Female	
LED	PWR: Power Status, ETH: LAN Status	
Power	DC10.7V~28.8V	
Power Consumption	10W	
Temperature	Operating: -20~55 °C, Storage: -25~85 °C	
Humidity	Operating: 0~95%( No condensation)	
IP	IP65/67	
Housing material	Aluminum powder coating	
Size	W132 x D87.1 x H35 mm (Not including protruding parts)	
Weight	approx. 600g	
Vibration/Shock	IEC 60068-2-6 / IEC 60068-2-27	
EMI	EN55016-2-3	
EMS	EN 61000-4-2	
	EN 61000-4-3	
	EN 61000-4-4	
Installation	DIN-Rail, Wall mount Optional accessories are required separately.	

## Feature

- Incorporate STM32 with Industrial Raspberry Pi
- Equipped with the latest ComputeModule 3+
- Raspbian compatible
- DC 12/24Vpower input
- Wide operating temperature range
- High noise resistance
- Waterproof, vibration-resistant and highly reliable
- M12, M8, M5 connector
- Robust housing with aluminum die-cast housing
- Supports wallmount and DIN-rail mount
- on-board eMMC (No SD memory required.)
- 1 x USB 2.0 Type-A
- I2C or RS-232C can be selected by model (OPT)

## Interface



### ● Pin assign (M8,M5,M12)

PWR connector	Pin	Col.	Sig.
	1	Br	24VDC
	2	Wh	24VDC
	3	Bl	OV
	4	Bk	OV

### CAN/I2C communication connector



Please feel free to contact for detail.

ETH connector	Pin	Col.	Sig
	1	Br	TX+
	2	Wh	RX+
	3	Bl	RX-
	4	Bk	TX-

### GPIO1/2 connector



Please feel free to contact for detail.

Option connector	Pin	Col.	I2C	RS-232C
	1	Br	5V	+ 5V out
	2	Wh	SCL/GPIO45	TXD/GPIO14
	3	Bl	OV	OV
	4	Bk	SDA/GPIO44	RXD/GPIO15

## Order information

[PN] 72MRST1000R20 Revision No.

eMMC size
0 not select
1 8GB
2 16GB[std]
3 32GB

Interface options	Extended interface	Add-on software	Accessory
1 RS-232C [std]	0 Default [Fixed]	0 No [std]	0 No [std]
2 I2C		1 CODESYS	1 Cables and caps included *1, *2, *3, *4, *8, *9x2

Optional accessories		Parts No.	
Power cable	M8 A-code 4pin Female - Open end	1m 21348100489010 2m *1 21348100489020 5m 21348100489050	
	LAN Cable	M8 A-code 4pin Male-RJ45	1m 72M8M4RM4010LI 2m *2 72M8M4RM4020LI 5m 72M8M4RM4050LI
		Option Cable	M5 4pin Male~Open end
PushPull Cable	PushPull USB - USB2.0 type-A	1m 09454451911 2m 09454451913 5m 09454451915	
	GPIO cable	M12 17 pin Male - Open end	2m Please feel free to ask. 5m Please feel free to ask.
		Dust Cap	for power port, M8 male IP67 72MICA0000033 for LAN/ CAN/I2C port, M8 female IP67 *8 72MICA0000034 for IO-Link/OPT port, M5 female IP67 *3 72MICA0000035 for LAN/COM/DIO M12 female IP67 *9 72MICA0000036
PushPull Cover	PushPull cover	Short *4 09 45 845 0009 Long 09 45 845 0015	
	Mount Kit	DIN-rail mount adopter	20952000004
Wall mount kit		20953000007	