



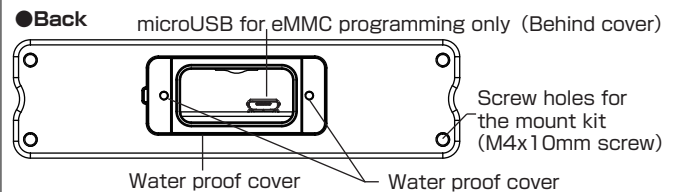
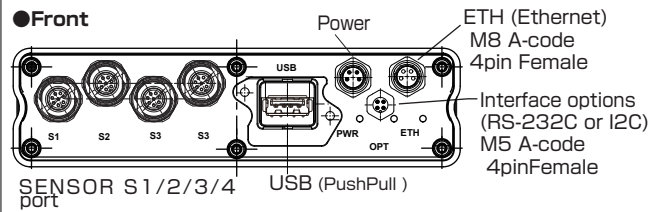
Product Specification

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 4x SENSOR1/2/3/4: M8 A-code 8pin Female
	Back	1x microUSB: microUSB Type-B(eMMC only)
Interface options	Select by model 1xRS-232C or I2C: M5 A-code 4pin 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	
Weight	(Not including protruding parts)	
Vibration/Shock	approx. 600g	
EMI	IEC 60068-2-6 / IEC 60068-2-27	
EMS	EN55016-2-3	
	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/SENSOR with Industrial Raspberry Pi
- Equipped with the latest ComputeModule 3+
- Raspbian compatible
- DC12/24V power input
- Wide operating temperature range
- High noise resistance
- Water proof, vibration-resistant and highly reliable
- M5, M8, M12, PushPull connectors
- Robust housing with aluminum die-cast housing
- Supports wall mount 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 no.

Interface



Pin assign (M8,M5,M12)

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

SENSOR S1/2/3/4 communication port



Please feel free to contact for detail.

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

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] 72MRSN1000R20 - 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, *5x4

Optional accessories		Parts No.	
Power cable	M8 A-code	1m	21348100489010
	4pin Female - Open end	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	1m	72M5M4010G0
		2m	72M5M4020G0
PushPull Cable	PushPull USB - USB2.0 type-A	1m	09454451911
		2m	09454451913
		5m	09454451915
Sensor cable	M8 8pin Male - Open end	2m	Please feel free to ask.
		5m	Please feel free to ask.
Dust Cap	for power port, M8 male IP67		72MICA0000033
	LAN/SENSOR port, M8 female IP67 *5		72MICA0000034
	for IO-Link/OPT port, M5 female IP67 *3		72MICA0000035
PushPull Cover	PushPull cover	Short *4	09 45 845 0009
		Long	09 45 845 0015
Mount Kit	DIN-rail mount adpater		20952000004
	Wall mount kit		20953000007