

Product Specifications

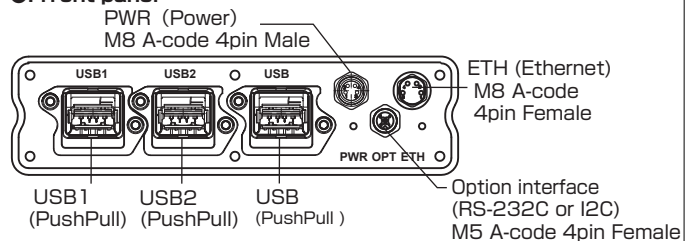
Processor	BCM2837B0, 1.2 GHz, quad-core	
Memory	1GB RAM, 8/16/32GB eMMC(Selectable)	
OS	Raspbian	
Interface	Front	1x Power: M8 A-code 4pin Male 1x LAN : M8 A-code 4pin Female 3x USB2.0: PushPull/USB2.0 Type-A
	Back	1x microUSB: microUSB Type-B(eMMC only)
Option	Select by model	
Interface	1xRS-232 or 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 (Not including protruding parts)	
Weight	approx. 590g	
Vibration/Shock	IEC 60068-2-6 / IEC 60068-2-2	
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.	

Features

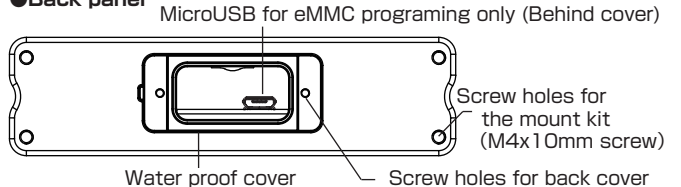
- Industrial Raspberry Pi
- Equipped with ComputeModule 3+
- Raspbian compatible
- DC12/24V power input
- Wide operating temperature range
- High noise resistance
- Waterproof, vibration-resistant and highly reliable M8, M5, PushPull connector
- Robust housing with aluminum die-cast housing
- Supports wallmount and DIN-rail mount
- on-board eMMC (No SD memory required.)
- 3 x USB 2.0 Type-A
- I2C or RS-232C can be selected by model no.

Interfaces

●Front panel

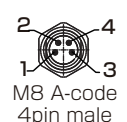


●Back panel



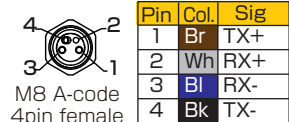
●Pin assign (M8, M5)

PWR connector



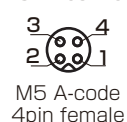
M8 A-code 4pin male

ETH connector



M8 A-code 4pin female

OPT connector



M5 A-code 4pin female

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

●PushPull connector optional accessory



Short Long



PushPull USB

Order information

[PN] 72MRUB1000R20 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, #4x3

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
OPT Cable	M5 4pin Male~Open end	1m 72M5M4010G0
		2m 72M5M4020G0
PushPull Cable	PushPull USB - USB2.0 type-A	1m 09454451911
		2m 09454451913
		5m 09454451915
Dust Cap	for power port, M8 male IP67	72MICA0000033
	for LAN/ CAN/I2C port, M8 female IP67	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 adpoter	20952000004
	Wall mount kit	20953000007