

(Unit : mm)

Product Specifications

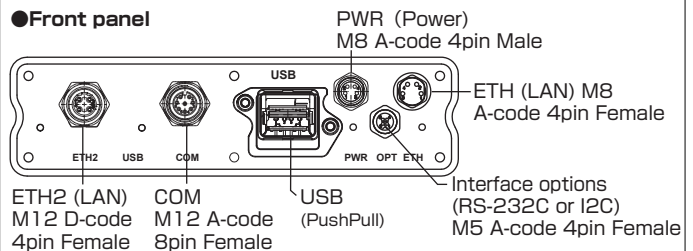
Processor	BCM2837B0, 1.2 GHz, quad-core	
Memory	1GB RAM, 8/16/32GB eMMC(Selectable)	
OS	Raspbian	
Interface	Front	1x Power: M8 A-code 4pin Male 2x LAN: M8 A-code 4pin Female, M12 D-code 4pin Female 1x USB2.0: PushPull/USB2.0 Type-A 1x COM: Select by model RS-232C or RS-485 M12 A-code 8pin Female
	Back	1x microUSB: microUSB Type-B(eMMC only)
Option Interface	1x OPT: Select by model 1xRS-232C or I2C M5 A-code	
LED	PWR: Power status, ETH, ETH2: LAN Status COM: Send/Receive 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 60068-2-27	
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

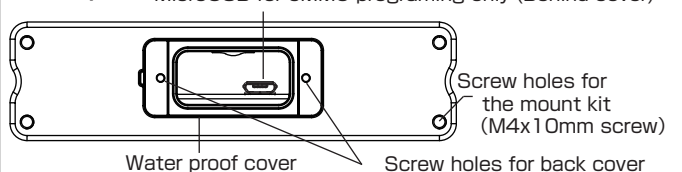
- Industrial Raspberry Pi
- Equipped with ComputeModule 3+
- Raspbian compatible
- DC12/24V power input
- Wide operating temperature range
- High noise resistance
- Waterproof, vibration-resistant and highly reliable
- M12, M8, M5 connectors
- Robust housing with aluminum die-cast housing
- on-board eMMC (No SD memory required.)
- M12&M8 LAN, M12 COM, PushPull USB board
- I2C or RS-232C or COM port can be selected by model no.

Interfaces

●Front panel

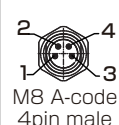


●Back panel



●Pin assign (M12, M8, M5)

PWR connector

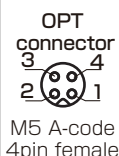


Pin	Col.	Sig.
1	Br	24VDC
2	Wh	24VDC
3	Bl	0V
4	Bk	0V

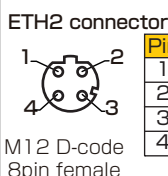
ETH connector



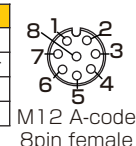
Pin	Col.	Sig.
1	Br	TX+
2	Wh	RX+
3	Bl	RX-
4	Bk	TX-



Pin	Col.	OPT connector	
		I2C model	RS-232C model
1	Br	5V	5V
2	Wh	SCL/GPIO45	TXD/GPIO14
3	Bl	0V	0V
4	Bk	SDA/GPIO44	RXD/GPIO15



COM connector



Pin	Sig.	Pin	Sig.
1	TXD(232)	5	SG (232)
2	RXD(232)	6	B (485-)
3	DC24V*	7	A(485+)
4	0V*	8	SG (485)

*24V & 0V are optional.

Order information

[PN] 72MRLC1000R20 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 Unselectable	0 No[std]	0 No[std]
2 I2C	1 RS-232C[std]	1 CODESYS	1 Cables and caps included *1, *2, *3, *4, *5, *6
	2 RS-485		

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
		M12 D-code 4pin Male - RJ45	1m 72MDM4RM4010ZO 2m *5 72MDM4RM4020ZO 5m 72MDM4RM4050ZO
OPT Cable		M5 4pin Male~Open end	1m 72M5M4010G0 2m 72M5M4020G0
COM cable	M12 A-code 8pin Male - Open	2m *6 21348400882020	
PushPull USB 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	
	for LAN/COM/DIO M12 female IP67	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	