

> General Specifications

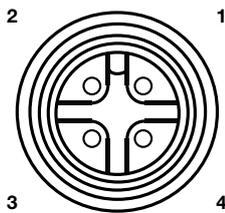
Type		ETSI Version ARU 3400	FCC Version ARU 3400
Order number		52010291	52010299
RFID			
Frequency range	[MHz]	865–868	902–928
Frequency range, country-specific India Morocco	[MHz]	865–867 867.6–868	–
Impedance antenna port	[Ohm]	50	
Max. TX power conducted	[dBm]	30	30
Max. TX power radiated	[ERP (ETSI)/ EIRP (FCC)]	33 (27 for Morocco)	36
RX sensitivity	[dBm]	typ. –80	
Number of antenna ports	[R-TNC]	3	
Standards		EN302208-2 V2.1.1, EN301489-3, EN50364, EN62368-1, EN60529, EPC Gen2 V2, UCODE DNA	FCC Part15, UL, IC, EPC Gen2 V2, UCODE DNA
Antenna			
Half-power beam width	[°]	65	
Gain, linear	[dBi]	–	
Gain, circular	[dBiC]	8.5	
Voltage			
Local supply	[VDC]	+10 to +30	
Connector		M12, A-coded, 4-pole	
Remote feed	[VDC]	PoE+ according to 802.3at (35–57) <ul style="list-style-type: none"> ▶ Make sure that the router/switch supports 30 W in the static mode. ▶ Use the cable the length of which does not exceed 100 m. ▶ Make sure to use a Cat 6 cable or a higher level cable. ▶ Note that the internal supply of GPIO-VCC-pin is not possible with PoE+. 	
Connector		M12, X-coded, 8-pole, port 1 only	
Power consumption			
Local supply	[W]	20	
Remote feed	[W]	20	
Ethernet			
Number of Ethernet ports		1	
Data rate	[Mbit/s]	10/100	
Connector		M12, X-coded, 8-pole	
LED visualisation			
Freely programmable		4	
Fixed		1 (power LED)	
GPIO			
Type		3 inputs, 3 outputs (double insulation possible)	
Max. input voltage	[V]	30	
Max. output voltage	[V]	30	
Max. current per output port	[mA]	500	
Max. current over all outputs	[mA]	1500	
Connector		M12, A-coded, 12-pole	

> General Specifications

RFID controller		
Processor		ARMv7-A based processor with 600 MHz
Flash memory eMMC	[Gbyte]	4
RAM DDR2	[Mbyte]	128
Operating system		Linux
Mechanical properties		
Weight	[kg]	4.00
Degree of protection		IP67
Operating temperature range	[°C]	-20 to +55
Storage temperature range	[°C]	-40 to +85
Dimensions (L x W x H)	[mm]	300 x 300 x 71

> Power Supply

M12, A-coded, 4-pin, male

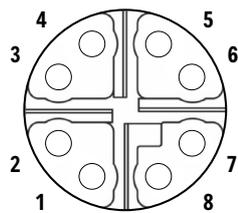


Pinout Power Supply

Pin	Allocation
1	+24 V DC
2	GND
3	GND
4	+24 V DC

> Ethernet

M12, X-coded, 8-pin, female

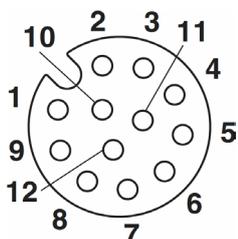


Pinout communication PoE+

Pin	Allocation
1	TX+ / PoE+1
2	TX- / PoE+1
3	RX+ / PoE+2
4	RX- / PoE+2
5	PoE+1
6	PoE+1
7	PoE+2
8	PoE+2

> GPIO

M12, A-coded, 12-pin, female



Pinout general purpose input output

Pin	Allocation	Pin	Allocation
1	OUT_CMN	7	UB
2	OUTPUT_1	8	OUTPUT_4
3	INPUT_3	9	OUTPUT_3
4	INPUT_CMN	10	OUTPUT_2
5	INPUT_1	11	INPUT_2
6	GND	12	INPUT_4