



owa344

Product Variants



FEATURES	owa344A	owa344I
		
Processor/MHz	ARM Cortex A7 32-bit 792MHz	ARM Cortex A7 32-bit 792MHz
Yocto / Linux OS	Yocto Kirkstone 4.0 / Kernel 6.6.15	Yocto Kirkstone 4.0 / Kernel 6.6.15
RAM	512MB DDR3	512MB DDR3
FLASH	512MB NAND Flash	512MB NAND Flash
GNSS	YES	
LTE Cat 1 bis	YES	YES
DIGITAL OPEN-DRAIN OUTPUT	6	6
DIGITAL HIGH SIDE OUTPUT ⁶	2	2
DIGITAL INPUT ^{1 2 5}	9	9
ANALOG INPUTS ¹	4	4
RS232 ⁴	2	2
ACCELEROMETER	3-axis	
CAN 1	YES	
KLINE ^{3 7}	YES	
RS485		YES
USB 2.0	YES	YES
ETHERNET	YES	YES
2nd ETHERNET		YES
ANTENNA CONNECTOR	FAKRA	SMA
ENCLOSURE	SCREW MOUNT	DIN RAIL

OPTIONAL FEATURES		
CAN 2 ²	OPTIONAL	
2ND RS485 ^{4 7}		OPTIONAL
8GB EMMC	OPTIONAL	OPTIONAL
TPM 2.0	OPTIONAL	OPTIONAL
INTERNAL ANTENNAS	OPTIONAL	
OPTIONAL BATTERY 2000mAh	OPTIONAL	OPTIONAL
HART ⁸		OPTIONAL
CURRENT METER ⁹		OPTIONAL

Notes:

- Analog Inputs are multiplexed in the main connector with DIOs (DIO/AIN0 - DIO1/AIN1 - DIO2/AIN2 - DIO3/AIN3).
- CAN2 is multiplexed with DIO_2 and DIO_4, devices with CAN2 will not mount DIO_2 and DIO_4.
- When Kline is enabled, RS-485 is disabled (SW Selected).
- 2nd RS485 is incompatible with Kline.
- 2nd RS-485 is multiplexed with 2nd RS-232.

- iButton is multiplexed with DIO_6 and can't be used both simultaneously.
- High Side I/Os are multiplexed with the Current Meter, cannot work simultaneously. iButton not compatible with DIO6.
- Kline is multiplexed with the 2nd RS-485, cannot work simultaneously.
- HART is multiplexed with DIO3/AIN3.
- Current Meter is multiplexed with High-Side 8 and 9.

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Time to wireless!!

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