# owa344 Platform

## THE owa344 IS THE PERFECT PLATFORM FOR CONTROLLING AND MONITORING YOUR INDUSTRIAL MACHINES AND VEHICLES

| 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 5.10.72 | Yocto Kirkstone 4.0 / Kernel 5.10.72 |
| 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 |

**Notes**:
(1) Analog Inputs are multiplexed in the main connector with DIOs (DIN0/AIN0 - DIO1/AIN1 - DIO2/AIN2 - DIO3/AIN3).
(2) CAN2 is multiplexed with DIO_2 and DIO_4, devices with CAN2 will not mount DIO_2 and DIO_4.
(3) When Kline is enabled, RS-485 is disabled (SW Selected). 2nd RS485 is incompatible with Kline.
(4) 2nd RS-485 is multiplexed with 2nd RS-232.
(5) iButton is multiplexed with DIO_6 and can be used one or the other but not both simultaneously.
(6) High Side I/Os are multiplexed with the Current Meter, only one HW, cannot work simultaneously.
(7) Kline is multiplexed with the 2nd RS-485, only one HW, cannot work simultaneously.

**owasys** ®
Member of the HMS group