

owa4x Products

POWERFUL LINUX IoT GATEWAY TO PROCESS DATA COMING FROM WIRED AND WIRELESS SENSORS/DEVICES/PERIPHERALS.

	owa41A	owa43A	owa44A
FEATURES			
Processor/MHz	Cortex A8/800MHz	Cortex A8/800MHz	Cortex A8/800MHz
Linux (OS)	4.19.94 (Debian 10)	4.19.94 (Debian 10)	4.19.94 (Debian 10)
RAM	512MB DDR3	512MB DDR3	512MB DDR3
FLASH	1GB NAND SLC	1GB NAND SLC	1GB NAND SLC
MICRO SD	YES	YES	YES
ACCELEROMETER	YES	YES	YES
GNSS	YES	YES	YES
GLOBAL LTE CAT 4	YES	YES	YES
DIGITAL I/O	10	10	6
ANALOG INPUTS ¹	4	4	4
IBUTTON ²	YES	YES	YES
RS232	3	3	2
RS485	NO	OPTIONAL	OPTIONAL
CAN	YES	YES	YES
CAN 2	NO	YES	YES
CAN 3 ^{3,5}	NO	OPTIONAL	YES
CAN 4 ^{4,5}	NO	OPTIONAL	YES
KLINE ⁶	YES	YES	YES
KLINE 2 ⁶	NO	OPTIONAL	YES
AUDIO CODEC	NO	OPTIONAL	YES
USB ⁹	NO	YES	YES
ETHERNET	YES	YES	YES
FAKRA	YES	YES	YES

OPTIONAL FEATURES			
TPM 2.0 ⁷	OPTIONAL	OPTIONAL	OPTIONAL
9 AXIS MEMS (ACC+GYRO+MAG) ⁸	NO	OPTIONAL	OPTIONAL
USB 2 ⁹	NO	OPTIONAL	OPTIONAL
WIFI + BT4.2	NO	OPTIONAL	OPTIONAL
OPTIONAL BATTERY	OPTIONAL	OPTIONAL	OPTIONAL
LONG LIFE BATTERY	OPTIONAL	OPTIONAL	OPTIONAL
IP67 ⁹	OPTIONAL	OPTIONAL	OPTIONAL

Notes:

1. Analog input 1 is multiplexed with DIO1
2. iButton multiplexed with DIO6
3. CAN3 not compatible with DIO2 and DIO3.
4. CAN4 not compatible with DIO4 and DIO5 and 9 Axis MEMs.
5. With LTE option, CAN3 and CAN4 are CAN FD
6. Kline and RS485 cannot work at the same time (SW selected). Kline 2 is incompatible with RS232(1) and is multiplexed with DIO7
7. TPM 2.0 option is only available with Global LTE option
8. 9 Axis MEMS incompatible with CAN 4.
9. USB connector no external access with IP67 cover