






owa3X products

A NEW POWERFUL OPEN M2M PLATFORM SUITABLE FOR THE WIRELESS APPLICATION YOU NEED TO DEVELOP

					
FEATURES					
PROCESSOR / MHz	ARM9 / 400	ARM9 / 400	ARM9 / 400	ARM9 / 400	ARM9 / 400
LINUX OS	2.6.36	2.6.36	2.6.36	2.6.36	2.6.36
RAM	32MB / 64MB	32MB / 64MB	32MB / 64MB	32MB / 64MB	32MB / 64MB
FLASH	32MB	32MB	32MB	32MB	32MB
MICRO SD CARD	YES	YES	YES	YES	YES
GNSS	u-blox	u-blox	u-blox	u-blox	
GPRS / GSM ¹	GEMALTO	GEMALTO	GEMALTO	GEMALTO	GEMALTO
DIGITAL INPUTS / OUTPUTS	10	10	10	10	10
ANALOG INPUTS ³	4	4	4	4	4
ODOMETER / PULSE COUNTER	YES	YES	YES	YES	YES
DALLAS I BUTTON ⁴			YES	YES	
RS232	3	3	3	3	3
RS485	1	1	1	1	1
ACCELEROMETER	YES	YES	YES	YES	OPTION
CAN	OPTION	OPTION	YES	YES	
KLINE ⁵			YES	YES	
AUDIO ²	YES	YES	YES	YES	OPTION
GSM / GPS CONNECTOR TYPE	FAKRA	FAKRA	FAKRA	FAKRA	SMA (GSM)
INTERNAL ANTENNAS		OPTION		OPTION	
2 USB HOSTS ⁶			YES		OPTION
ETHERNET			YES	YES	OPTION
OPTIONAL BATTERY	1800 mAh	1800 mAh	1800 mAh	1800 mAh	1800 mAh
OPTIONAL LONG LIFE BATTERY ⁷		4000 mAh		4000 mAh	
PROTECTION	IP30	IP67	IP30	IP67	IP30
OPTIONAL FEATURES					
I/Os EXPANSION BOARD ⁸			OPTION		OPTION
2 nd CAN			OPTION	OPTION	
2 nd KLINE			OPTION	OPTION	
GYROSCOPE			OPTION	OPTION	
BLUETOOTH ⁹			OPTION	OPTION	OPTION
BLE ⁶			OPTION		OPTION
WiFi ¹⁰			OPTION	OPTION	OPTION
HSPA / UMTS ^{2,6,12}			OPTION	OPTION	OPTION
SATELLITE ¹¹			OPTION	OPTION	
CODEC ¹²	OPTION	OPTION	OPTION	OPTION	OPTION

Notes:

1. Double SIM optional in products for the non-rugged versions (aluminium enclosure).
2. AUDIO for HSPA/UMTS option requires CODEC.
3. Analog inputs shared with 4 digital I/O pins in non-Rugged models (aluminium enclosure).
4. iButton shared with one digital I/O pin.
5. KLINE shared with one digital I/O pin. KLINE and RS485 are not compatible. 2nd KLINE will additionally use one RX/TX UART, so RS232 ports will be available as 2 x (TX/RX).
6. Only 1 USB is available with BLE or HSPA options, and there will not be USB when both BLE and HSPA .
7. It is not possible to mount the 2 batteries at the same time.
8. Expansion Board with 16 Digital Inputs (50V max); 2 Analog Outputs 12bits (0-5.12V 1.25mV per bit); 8 Analog Inputs 12 bits (0-5.12V 1.25mV per bit; or 0-30.72V 7.5mV per bit); 4 GND (2 Analog); 2 Vout (4.5V) power outputs 100mA max. When running from battery back-up Vout is 3.7V 100 mA max
9. BLUETOOTH option includes 64MB RAM. BLUETOOTH option uses one RX/TX UART, so RS232 ports will be available as 2 x (TX/RX).
10. WiFi option includes 64MB RAM. WIFI units do not have microSD card for the non-rugged (aluminium enclosure) variants.
11. IRIDIUM 9602 Satellite. Option not compatible neither with Internal Antennas nor with BLE. IRIDIUM will use one RX/TX UART, so RS232 ports will be available as 2 x (TX/RX).
12. CODEC. Analog input 1 is not available when CODEC is present.

***MORE INFORMATION IN PRODUCT DOCUMENTATION. CONTACT YOUR SALES REP FOR FURTHER INFORMATION**



Advanced Wireless Devices