






# owa3X products

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

					
<b>FEATURES</b>					
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 <sup>1</sup>	GEMALTO	GEMALTO	GEMALTO	GEMALTO	GEMALTO
DIGITAL INPUTS / OUTPUTS	10	10	10	10	10
ANALOG INPUTS <sup>3</sup>	4	4	4	4	4
ODOMETER / PULSE COUNTER	YES	YES	YES	YES	YES
DALLAS IButton <sup>4</sup>			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 <sup>5</sup>			YES	YES	
AUDIO <sup>2</sup>	YES	YES	YES	YES	OPTION
GSM / GPS CONNECTOR TYPE	FAKRA	FAKRA	FAKRA	FAKRA	SMA (GSM)
INTERNAL ANTENNAS		OPTION		OPTION	
2 USB HOSTS <sup>6</sup>			YES		OPTION
ETHERNET			YES	YES	OPTION
OPTIONAL BATTERY	1800 mAh	1800 mAh	1800 mAh	1800 mAh	1800 mAh
OPTIONAL LONG LIFE BATTERY <sup>7</sup>		4000 mAh		4000 mAh	
PROTECTION	IP30	IP67	IP30	IP67	IP30
<b>OPTIONAL FEATURES</b>					
I/Os EXPANSION BOARD <sup>10</sup>			OPTION		OPTION
2 <sup>nd</sup> CAN			OPTION	OPTION	
2 <sup>nd</sup> KLINE			OPTION	OPTION	
GYROSCOPE			OPTION	OPTION	
BLUETOOTH <sup>8</sup> and/or BLE			OPTION	OPTION	OPTION
WiFi <sup>9</sup>			OPTION	OPTION	OPTION
TETRA <sup>11</sup>			OPTION	OPTION	OPTION
HSPA / UMTS <sup>13</sup>			OPTION	OPTION	OPTION
SATELLITE <sup>12</sup>			OPTION	OPTION	
CODEC <sup>13</sup>	OPTION	OPTION	OPTION	OPTION	OPTION

**Notes:**

- Double SIM optional in products for the non-Rugged versions (aluminium enclosure).
- AUDIO for HSPA/UMTS option requires CODEC.
- Analog inputs shared with 4 digital I/O pins in non-Rugged models (aluminium enclosure).
- iButton shared with one digital I/O pin.
- KLINE shared with one digital I/O pin. KLINE and RS485 are not compatible.
- Only 1 USB is available with BLE or HSPA options.
- It is not possible to mount the 2 batteries at the same time.
- BLUETOOTH option includes 64MB RAM. BLUETOOTH option uses one RX/TX UART (2 RS232 ports available).
- WiFi option includes 64MB RAM. WiFi units do not have microSD card for the non-rugged (aluminium enclosure) variants.
- Expansion Board with 16 Digital Inputs (40V 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.
- TETRA option will use one RX/TX UART, so RS232 ports will be available as 2x (TX/RX).
- IRIDIUM 9602 Satellite. Option not compatible with Internal Antennas and/or TETRA. IRIDIUM will use one RX/TX UART, so RS232 ports will be available as 2x (TX/RX).
- CODEC. Analog Input 1 not available when CODEC is present.

\*\*\* MORE INFORMATION IN INTEGRATORS MANUAL AND PRODUCT DATA SHEETS \*\*\*



Advanced Wireless Devices