




owa3x products

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

FEATURES			
PROCESSOR / MHz	ARM9 / 400MHz	ARM9 / 400MHz	ARM9 / 400MHz
LINUX OS	2.6.36	2.6.36	2.6.36
RAM	32MB / 64MB	32MB / 64MB	32MB / 64MB
FLASH	64MB	64MB	64MB
MICRO SD ⁹	YES	YES	YES
GNSS	U-BLOX	U-BLOX	U-BLOX
GPRS / GSM	GEMALTO	GEMALTO	GEMALTO
DIGITAL INPUTS / OUTPUTS	10	10	10
ANALOG INPUTS ^{1,2}	4	4	4
DALLAS IBUTTON ⁴		YES	
RS232 ⁸	3	3	3
RS485	1	1	1
ACCELEROMETER	YES	YES	OPTION
CAN	OPTION	YES	
KLINE ⁵		YES	
AUDIO ³	YES	YES	OPTION
GSM / GPS CONNECTOR TYPE	FAKRA	FAKRA	SMA (GSM)
2 USB HOSTS ⁶		YES	OPTION
ETHERNET		YES	OPTION
OPTIONAL BATTERY	1800mAh	1800mAh	1800mAh
PROTECTION	IP30	IP30	IP30

OPTIONAL FEATURES			
I/Os EXPANSION BOARD ⁷		OPTION	OPTION
2 nd CAN ¹⁰		OPTION	
3 rd CAN ¹¹		OPTION	
2 nd KLINE ⁵		OPTION	
GYROSCOPE		OPTION	
BLUETOOTH ⁸		OPTION	OPTION
BLE ⁶		OPTION	OPTION
WIFI ⁹		OPTION	OPTION
HSPA / UMTS ^{3,6,2}	OPTION	OPTION	OPTION
2 nd RS485 ¹²			OPTION
CODEC ²	OPTION	OPTION	OPTION

Notes:

1. Analog inputs shared with Digital I/O pins 0 to 3.
2. Analog input 1 not available with CODEC.
3. Audio for HSPA/UMTS option requires CODEC.
4. IBUTTON shared pin with DIO-6
5. KLINE shared pin with DIO-7. KLINE and RS485 are not compatible. 2nd KLINE will share pin with DIO-5 and use UART 1 TXD1/RXD1 (not compatible with BT).
6. Only 1 USB is available with BLE or HSPA options, and there will not be USB when both BLE and HSPA.
7. 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
8. BLUETOOTH option includes 64MB RAM. BLUETOOTH option uses UART 1 TXD1/RXD1 won't be available externally or for 2nd KLINE.
9. WIFI option includes 64MB RAM. In WIFI units microSD card cannot be used.
10. 2nd CAN removes DIO-2 and DIO-4
11. 3rd CAN removes TXD-1/RXD-1 from 24 pin connector.
12. 2nd RS485 removes TXD-3/RXD-3 uart, DIO-7(KLINE) and DIO-5(KLINE2).