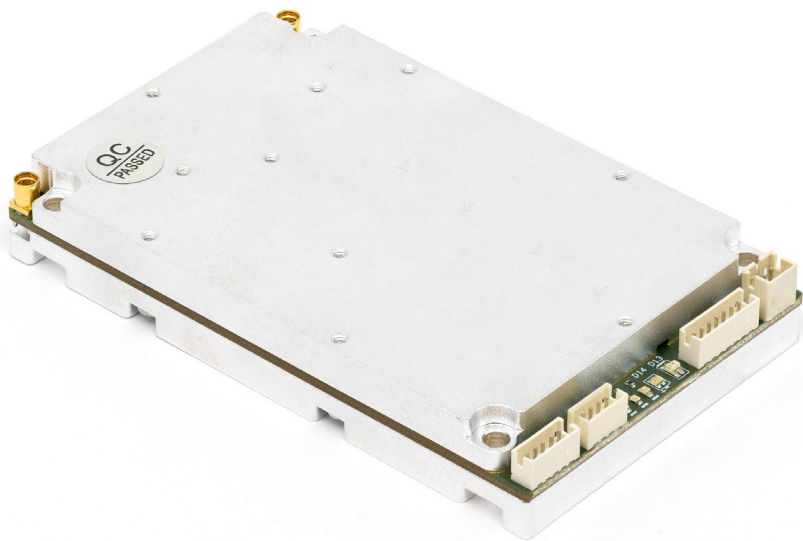


RFOB272-2000-2500

2*27dBm mesh OEM board



Specifications		
Frequency Range		2000Mhz to 2500Mhz
RF Bandwidth(MHz)		1.25/2.5 / 5.0 / 10.0
Data Bit Rate	Audio	4.8kbps
	Eth Data throughput	Peak rate up to 28Mbps (Diversity) Peak rate up to 63Mbps (MIMO)
RF Output		Max 27dBm/channel
Receiver Sensitivity		≤ -100dBm (5Mhz Bandwidth)
Power Input		8.0 to 14.5Vdc
Power Consumption		5W (Standby) 16W (Max)
Interface		
RF Interface		2× MMCX (2 × ANT)
Control and Data Interface		1 x Ethernet; 1 x RS232; 1 x LED
Physical Specification		
Dimension (L × W × H)		90mm × 55mm × 14mm
Working Temperature		-40°C ~ +65°C
Weight		93g

This section covers the pinouts of the relevant ports:

J1 DC IN (PH2.0 2P)	
Pin	Function
1	DC_IN
2	GND

Pin	Function
J5 (ANT1)	MMCX
J6 (ANT2)	MMCX

J9 UART0 RS232 (ZH1.5 4P)	
Pin	Function
1	GND
2	UART2_RX
3	UART2_TX
4	3.3V

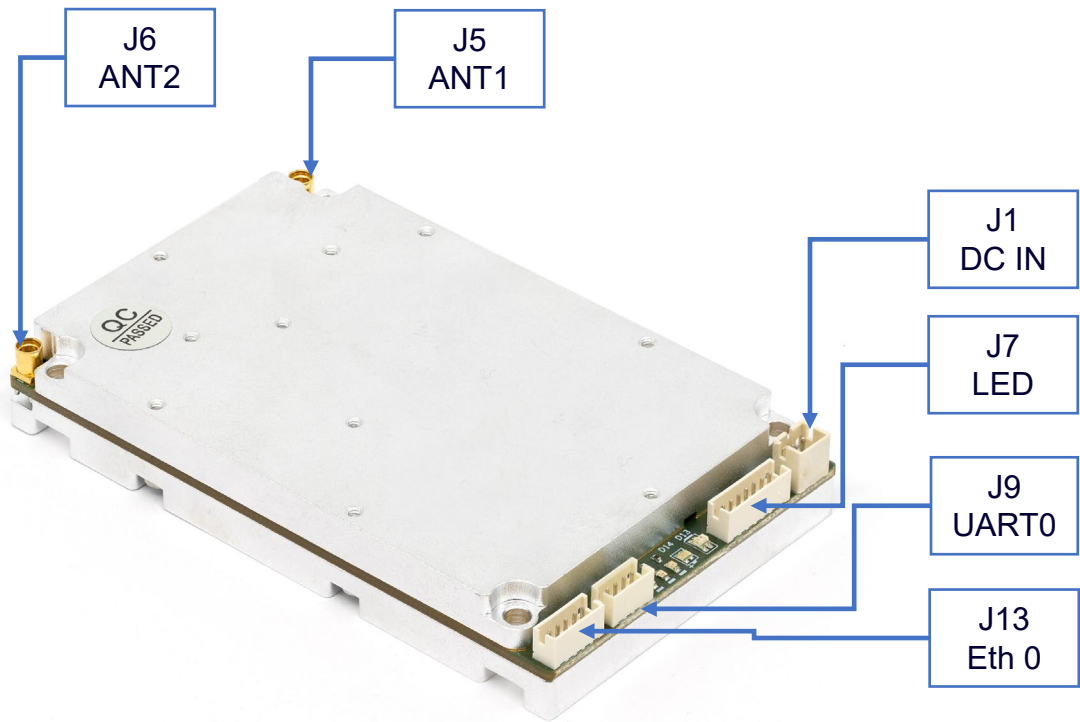
J7 LED Status Indication (ZH1.5 7P)	
Pin	Function
1	GND
2	LED1G
3	LED1R
4	LED2B
5	LED2G
6	LED2R
7	3v3

Note: LED1 is for Connection Status (Dual)
LED2 is for Signal Quality Status (Triple)

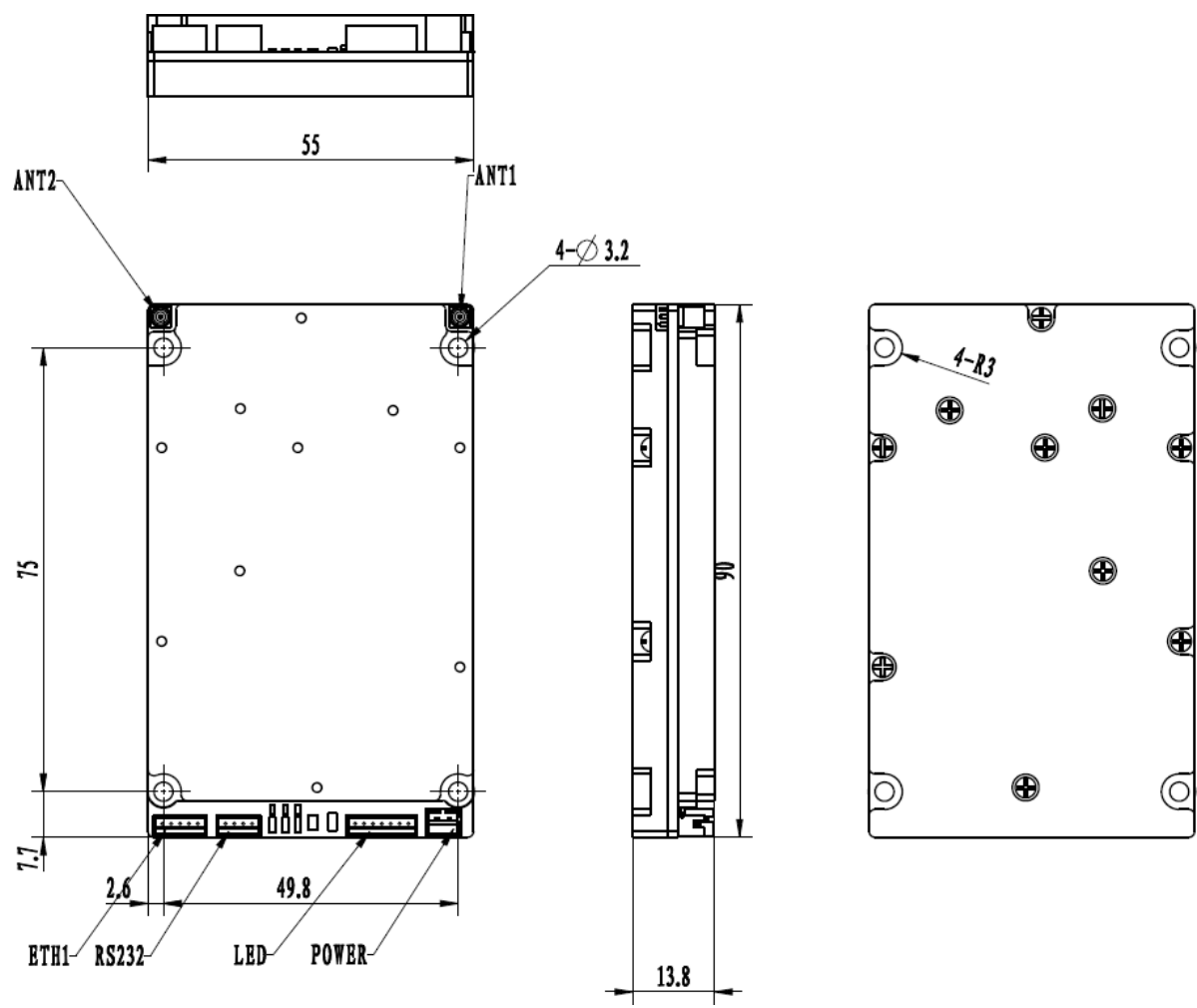
J13 ETH0 (ZH1.5 5P)	
Pin	Function
1	GND
2	RX+
3	RX-
4	TX+
5	TX-

RFOB272-2000-2500
2*27dBm mesh OEM board

RADIOFORCE



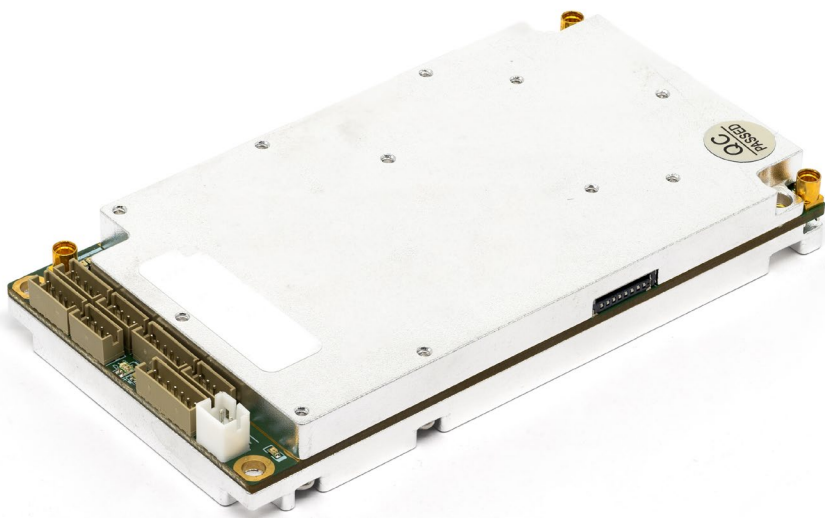
Dimension:



RFOB302-1300-1500

2*30dBm mesh OEM board

RADIOFORCE



Specifications		
Frequency Range		1300Mhz to 1500Mhz
RF Bandwidth(MHz)		1.25/2.5 / 5.0 / 10.0
Data Bit Rate	Audio	4.8kbps
	Eth Data throughput	Peak rate up to 28Mbps (Diversity) Peak rate up to 63Mbps (MIMO)
RF Output		Max 30dBm/Channel
Receiver Sensitivity		≤ -100dBm @5Mhz Bandwidth
Power Input		9.0 to 15Vdc
Audio		Adaptive Multi-Rate (AMR)
Power Consumption		5W (Standby) 17W (Max)
interface		
RF port		3 × MMCX (2 × ANT; 1 x GPS)
Control and Data		2 x Ethernet; 1 x RS232; 1 x RS485; 1 x TTL
Physical Specification		
Dimension (L × W × H)		103mm × 55mm × 14mm
Working Temperature		-40°C ~ +65°C
Weight		105g

This section covers the pinouts of the relevant ports:

J1 DC IN (PH2.0 2P)	
Pin	Function
1	12Vdc
2	GND

J4 ETH1 (ZH1.5 5P)	
Pin	Function
1	GND
2	RX+
3	RX-
4	TX+
5	TX-

J7 LED Status Indication (ZH1.5 7P)	
Pin	Function
1	GND
2	LED1G
3	LED1R
4	LED2B
5	LED2G
6	LED2R
7	3v3

Note: LED1 is for Connection Status (Dual)
LED2 is for Signal Quality Status (Triple)

J5 RF out (ANT1) MMCX

J6 RF out (ANT2) MMCX

RFOB302-1300-1500

2*30dBm mesh OEM board

J8 UART2 TTL (ZH1.5 4P)

Pin	Function
1	GND
2	UART2_TX
3	UART2_RX
4	3.3V

J9 UART0 RS232 (ZH1.5 4P)

Pin	Function
1	GND
2	UART0_RX
3	UART0_TX
4	5V

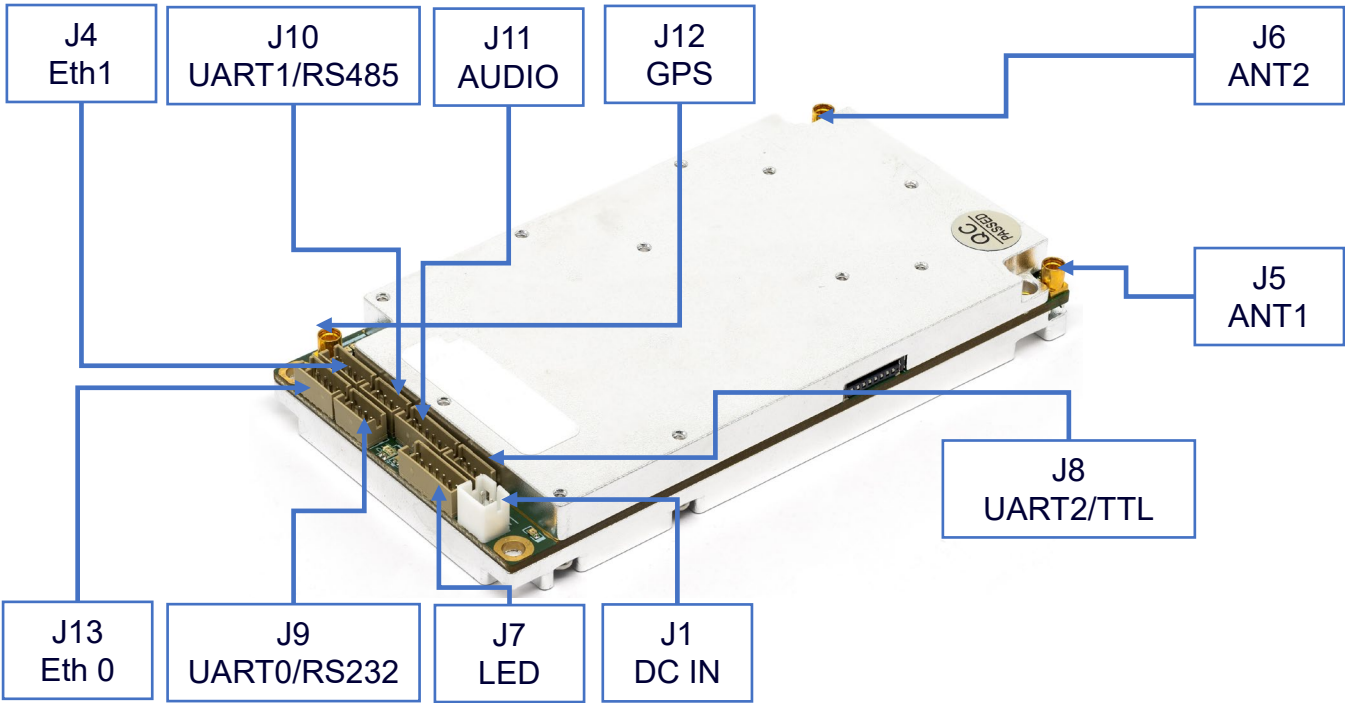
J10 UART1 RS485 (ZH1.5 4P)

Pin	Function
1	GND
2	Y_485_A
3	Y_485_B
4	5V

J11 Audio (ZH 6P 1.5mm)

Pin	Function	Remarks
1	GND	
2	HPL	
3	HPR	
4	MIC	
5	PTT	
6	EAR_DET	Earpiece - Short to GND Handheld PTT - Open

J12 RF out (GPS) MMCX



Dimension:

