

I800M+2100M+2300M+2500M+3500M+3500M

Six Bands Active POI

JTD-APOI-WR-182123253535-01

Feature

- The POI for Active DAS.
- This product can control the input level of the DAS equipment, and the level can be adjusted from the attenuator on the front panel.
- It has a function of attenuation of 40 dB at the maximum and it is an optimum POI for ACTIVE DAS system for IBS base station.

Application

- Telecommunication purpose
- IBC/IBS
- Subway ,underground, airport

Electrical Data			
Item		Uplink	Downlink
Frequency Range (MHz)	1800M Band	1710 ~ 1785	1805 ~ 1880
	2100M Band	1920 ~ 1980	2110 ~ 2170
	2300M Band	2300 ~ 2400	2300 ~ 2400
	2500M Band	2496 ~ 2690	2496 ~ 2690
	3500M Band-1(MAIN)	3300 ~ 3600	3300 ~ 3600
	3500M Band-2(MIMO)	3300 ~ 3600	3300 ~ 3600
Max. RF Input Power(dBm)		---	43 ~ 50 (per band)
Max. Gain (dB) @Center Frequency		-40±3	-40±3
Gain control range (dB)		30 dB/1 dB step	30 dB/1 dB step
Gain control Error (dB)		≤ ±1.5	≤ ±1.5
Ripple In Band (P-P) (dB)	1800M Band	≤ 2.0	

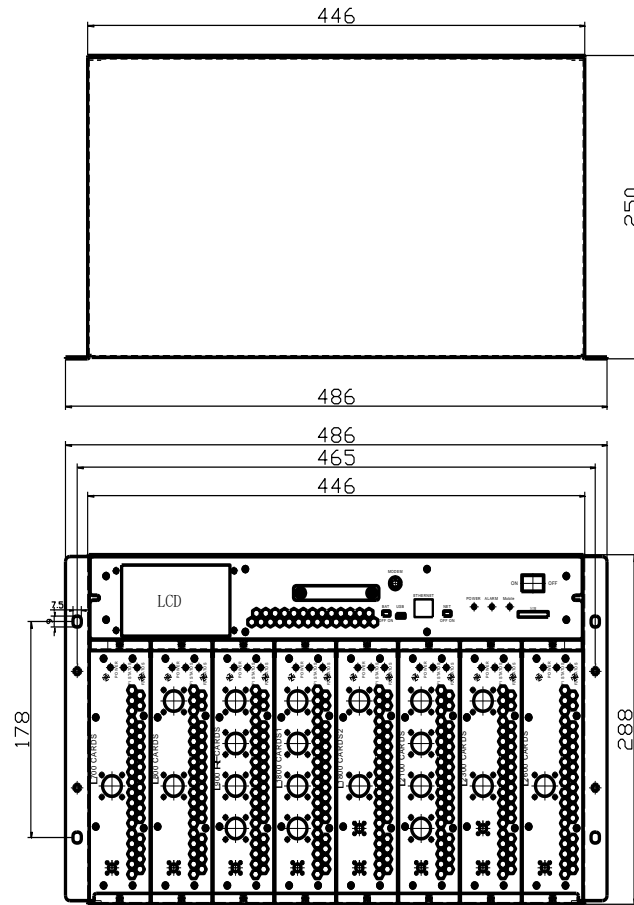


At +25°C	2100M Band	≤ 2.0	
	2300M Band	≤ 2.0	
	2500M Band	≤ 2.0 @EBW=100MHz	
	3500M Band-I(MAIN)	≤ 2.0 @EBW=100MHz	
	3500M Band-2(MIMO)	≤ 2.0 @EBW=100MHz	
Spurious Emission	9kHz~150kHz	≤ -36dBm/1KHz	≤ -36dBm/1KHz
	150kHz~30MHz	≤ -36dBm/10KHz	≤ -36dBm/10KHz
	30MHz~1GHz	≤ -36dBm/100KHz	≤ -36dBm/100KHz
	1GHz~12.75GHz	≤ -30dBm/1MHz	≤ -30dBm/1MHz
VSWR(Power up, Min Gain, Pin=-30dBm)	1800M Band	≤ 1.5	≤ 1.5
	2100M Band	≤ 1.5	≤ 1.5
	2300M Band	≤ 1.5	≤ 1.5
	2500M Band	≤ 1.5	≤ 1.5
	3500M Band-I(MAIN)	≤ 1.5	≤ 1.5
	3500M Band-2(MIMO)	≤ 1.5	≤ 1.5
Transmission delay (μs)		≤ 1.0	≤ 1.0
Input power detection function(dBm)		20 ~ 50	
Link RF switch function		Each operator controls it separately	
Impedance		50 Ω	50 Ω
Power consumption rating		≤ 100W	
Power Supply: Dual power supply;		-38.4 ~ -57.7V/DC~2.0A;	
Functions- Variable Sub-band			
Instantaneous Bandwidth of each band	1800M Band	75 MHz	
	2100M Band	60 MHz	
	2300M Band	100 MHz	
	2500M Band	194 MHz	
	3500M Band-I(MAIN)	300 MHz	
	3500M Band-2(MIMO)	300 MHz	
Number of Supported Operators	1800M Band	4	
	2100M Band	4	



	2300M Band	2
	2500M Band	2
	3500M Band-1(MAIN)	4
	3500M Band-2(MIMO)	4
Environmental Data		
Operating temperature range	-5°C to +45°C	
Storage temperature range	-40°C to +85°C	
Relative humidity	5% - 80%	
Applications	IP20	
Cooling	Cooling with fan	
Monitoring and control	Local with RJ45; NMS; Web GUI;	
	4G wireless modem (Remote)	
Mechanical Data		
Dimensions	486*288*250mm	
Input port Connectors type	1800M Band	Mini DIN(4.3-10)-Female*4
	2100M Band	Mini DIN(4.3-10)-Female*4
	2300M Band	Mini DIN(4.3-10)-Female*2
	2500M Band	Mini DIN(4.3-10)-Female*2
	3500M Band-1(MAIN)	Mini DIN(4.3-10)-Female*4
	3500M Band-2(MIMO)	Mini DIN(4.3-10)-Female*4
Output port Connectors type	1800M Band	QMA-Female*1
	2100M Band	QMA-Female*1
	2300M Band	QMA-Female*1
	2500M Band	QMA-Female*1
	3500M Band-1(MAIN)	QMA-Female*1
	3500M Band-2(MIMO)	QMA-Female*1

Outline Dimension:



Picture:

