

TTA-DU1xxx

1800/2600 MHz | Twin TMA | AISG v2.0 | Fixed Gain

- 1800/2600 MHz, twin TMA, AISG v2.0
- Available in single mode or independent AISG
- Increases coverage and capacity
- Helps to minimize site acquisition issues
- Reduces the cost of network expansion



Ordering Options		Connector Types	
		7/16-DIN Female Connectors	4.3/10 Female Connectors
Single Mode (1x AISG)		TTA-DU110H	TTA-DU110H-43F
Independent AISG (2x AISG)		TTA-DU101N	TTA-DU101N-43F
RF Characteristics			
Downlink (TX) Path		1800 Band	2600 Band
Frequency Band		1805-1880 MHz	2620-2690 MHz
Insertion Loss	Typical	0.5 dB	< 0.4 dB
	Max	< 0.7 dB	---
Continuous Average Power (53 dBm)		200 W	200 W
Intermodulation (2x43 dBm TX carrier, BTS Port)		-117 dBm in RX band, ANT port	-117 dBm in RX band, ANT port
Uplink (RX) Path		1800 Band	2600 Band
Frequency Band		1710-1785 MHz	2500-2570 MHz
Gain (nominal)		12 dB	12 dB
Noise Figure (typical)		1.5 dB	1.5 dB
Insertion Loss, Bypass Mode (typical)		< 2.7 dB	< 2.6 dB
Output IP3 (typical)		25 dBm	25 dBm
Power Supply and Alarm - AISG Mode			
Control Protocol		3GPP/AISG v2.0 or AISG v1.1	
DC Supply Voltage		24 V DC nominal (9-30 V DC)	
Power Consumption		< 4 W	
Environmental Characteristics			
Operating Temperature Range		-40° to +65° C (-40° to +149° F)	
Operation		ETS 300 019-1-4 Class 4.1E	
Storage		ETS 300 019-1-1 Class 1.2	
Ingress Protection		IP67	
EMC		EN 301 489-8	
Safety Standards		EN 60950	
MTBF (minimum)		1 Mh/TMA	



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Mechanical Characteristics			
Dimensions - Length x Width x Depth		209 x 235 x 110 mm 8.2 x 9.3 x 4.3 in	
Gross Weight		7.0 kg 15.4 lbs	
Connectors (number, type)	BTS	2 Connectors / 7/16 Female	
	ANT	4 Connectors / 7/16 Female	
	AISG	Single Mode Model	1 Connector / 8 pin circular
		Independent Mode Model	2 Connector / 8 pin circular
Color		NCS 1502-R	
Mounting		Hose clamps, arbitrary orientation	
Dimensions (TTA-DU101N shown)		Block Diagram	

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