

## TTA-DA100x

700 / 800 | Twin TMA | AISG v2.0 | Fixed Gain

- 700 / 800, 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 Type	
	7/16-DIN Connectors	4.3/10 Connectors
Single Mode (1x AISG)	TTA-DA100H	TTA-DA100H-43F
Independent AISG (2x AISG)	TTA-DA100N	TTA-DA100N-43F
RF Characteristics		
Downlink (TX) Path	700	800
Frequency Band	758-788 MHz	791-821 MHz
Insertion Loss (typical)	0.4 dB	0.4 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	700	800
Frequency Band	703-733 MHz	832-862 MHz
Gain (nominal)	12 dB	12 dB
Noise Figure (typical)	1.1 dB	1.1 dB
Insertion Loss, Bypass Mode (typical)	1.7 dB	1.7 dB
Output IP3 (typical)	> 25 dBm	> 25 dBm
Power Supply and Alarm - AISG Mode		
DC Supply Voltage	24 V DC nominal (9-31 V DC)	
Power Consumption	< 4 W	
Control Protocol	3GPP/AISG v2.0	
Environmental Characteristics		
Operating Temperature Range	-40° to +65° C (-40° to +149° F)	
Operation	ETS 300 019-1-4	
Storage	ETS 300 019-1-1	
Ingress Protection	IP67	
EMC	EN 301 489-8	
Safety Standards	EN 60950	
MTBF (minimum)	1 Mh/TMA	



Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

## TTA-DA100x

700 / 800 | Twin TMA | AISG v2.0 | Fixed Gain

Mechanical Characteristics			
Dimensions - Length x Width x Depth		265 x 245 x 149 mm	10.4 x 9.6 x 5.9 in
Gross Weight		12.0 kg	26.5 lbs
Connectors (type)	BTS	2 Connectors / 7/16-DIN Female or 4.3/10 Female	
	ANT	2 Connectors / 7/16-DIN Female or 4.3/10 Female	
	AISG	Single Mode Model	1 Connector / 8-Pin Circular Female
		Independent AISG Model	2 Connector2 / 8-Pin Circular Female
Color		NCS 1502-R	
Mounting		Hose clamps, arbitrary orientation	

Dimensions (TTA-DA100N shown)	Block Diagram
<p>Technical drawings of the TTA-DA100N amplifier showing front, top, and side views with dimensions and connector labels.</p> <ul style="list-style-type: none"> <li>Front view: 161.5 mm width, 149 mm depth.</li> <li>Top view: 265 mm length, 245.7 mm width, 12.5 mm height, 8.9 mm offset, 4x Ø8.5x12.5 mounting holes, 26.4 mm height, 34.0 mm total height, 245.7 mm width, Grounding Bolt M6 Hex 131.</li> <li>Labels: 4.3-10 Connector Female (2x), AISG Connector Female, 4.3-10 Connector Female (2x), ANT 1, ANT 2, BTS 2, BTS 1.</li> </ul>	<p>Block diagrams for Main and Div outputs showing signal flow through amplifiers and couplers.</p>

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.