

## TTA-DD100x

800/900 MHz | Twin TMA | AISG v2.0 or AISG v1.1 | Fixed Gain

- 800/900 MHz, Twin TMA, AISG v2.0 or AISG v1.1, Fixed Gain
- Increases coverage and capacity
- Available in single mode or with Independent AISG
- Helps to minimize site acquisition issues
- Reduces the cost of network expansion



Ordering Options	Connector Type	
	7/16-DIN Female Connectors	4.3/10 Female Connectors
Single Mode (1x AISG)	TTA-DD100H	TTA-DD100H-43F
Independent AISG (2x AISG)	TTA-DD100N	TTA-DD100N-43F
RF Characteristics		
Downlink (TX) Path	800 Band	900 Band
Frequency Band	791-821 MHz	925-960 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)	-116 dBm in RX band, ANT port	-116 dBm in RX band, ANT port
Uplink (RX) Path	800 Band	900 Band
Frequency Band	832-862 MHz	880-915 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	> 25 dBm	> 25 dBm
Power Supply and Alarm	Current Window Alarm Mode	AISG Mode
DC Supply Voltage	9 to 15 V	24 V DC nominal (9-31 V DC)
Power	< 165 mA at 12 V	< 4 W
Alarm	320 mA, factory configurable	3GPP/AISG v2.0 or AISG v1.1
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	



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Mechanical Characteristics			
Dimensions - Length x Width x Depth		245 x 230 x 155 mm 9.6 x 9.1 x 6.1 in	
Gross Weight		12.0 kg 26.5 lbs	
Connectors (numbers, type)	BTS	2 Connectors / 7/16-DIN Female or 4.3/10 Female	
	ANT	4 Connectors / 7/16-DIN Female or 4.3/10 female	
	AISG	Single Mode Models	1 Connector / 8 pin circular / Female
		Independent Mode Models	2 Connector / 8 pin circular / Female
Color		NCS 1502-R	
Mounting		Hose clamps, arbitrary orientation	

Dimensions (TTA-DD100N shown)	Block Diagram

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