



Product Data Sheet

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Product

23dBm Triple Band Repeater

Model No

DS23T-EDW

Key Features

- MGC and AGC function
- Independent uplink and downlink gain control and on/off for each sub band
- Center frequency and bandwidth of each sub band will be variable in the whole band
- Each sub band is movable anywhere within respective band
- No Hurdles for Network Migration without changing any Hardware
- Designed for indoor Application
- High integration with lesser cable Interface
- Local Access:: LAN or USB Ports
- Compatible to multi technology EGSM, DCS, UMTS, LTE



RF Parameters

	Bands	Uplink		Downlink	
Frequency Range	GSM/LTE 900	880MHz	915MHz	925MHz	960MHz
	DCS/LTE1800	1710MHz	1785MHz	1805MHz	1880MHz
	WCDMA2100	1920MHz	1980MHz	2110MHz	2170MHz
Gain		70±2dB		75±3dB	
Max Output Power		17±2 dBm		23±2 dBm	
Band width	GSM/LTE 900	1*20MHz	0.2-20MHz tunable and movable		
	DCS/LTE1800	1*20MHz	0.2-20MHz tunable and movable		
	WCDMA2100	1*20MHz	0.2-20MHz tunable and movable		
MGC (Step Attenuation)		≥ 31 dB / 1 dB step			
Automatic Gain Control		≥ 51 dB			
Gain Flatness		≤ 6 dB			
Noise Figure		≤ 8dB			
Group Delay		≤ 7.5 μs			
VSWR		≤ 2			
Frequency Stability		≤ 0.01ppm			
Intermodulation	9KHz~1GHz	≤ -36dBm			
	1GHz-12.75GHz	≤ -30dBm			
Spurious Emission	9KHz~1GHz	≤ -36dBm			
	1GHz-12.75GHz	≤ -30dBm			
UMTS System	Spurious Emission Mask	Meet 3GPP TS 25.143, 3GPP TS 25.106			
	EVM	≤ 12.5%			
	Peak Code Domain Error	≤ -35dB @ Spreading Factor 256			
	ACRR	≤ 20dB/30KHz @ ± 5MHz ≤ 20dB/30KHz @ ± 10MHz			
LTE System	Spurious Emission Mask	Meet 3GPP TS 25.143, 3GPP TS 25.106			
	EVM	≤ 8%			
	ACRR	33dB@5MHz&&33dB@10 MHz 20dB@5MHz&&20dB@10 MHz			
Maximum Input Power		≤ -10dBm		≤ -10dBm	

Electrical Parameters

Impedance	50 ohm
Power Supply	Input AC100~240 V, 50~60 Hz, Output DC 12 V / 7 A
Power Consumption	≤ 60 W

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DS23T-EDW

Mechanical Parameters

I/O Port

N-Female

Dimensions

280*350*101 mm

Weight

≤ 10 kg

Environmental Parameters

Operating Temperature

(-)25 °C~+55 °C

Storage Temperature

(-)40°C to +85°C

Relative Humidity

5% - 95%

Environment Conditions

IP43

Software

Local Monitoring

: LAN or USB Ports

Controlled Parameters

Gain, Frequency, Repeater ON/OFF, Alarm Message, etc.

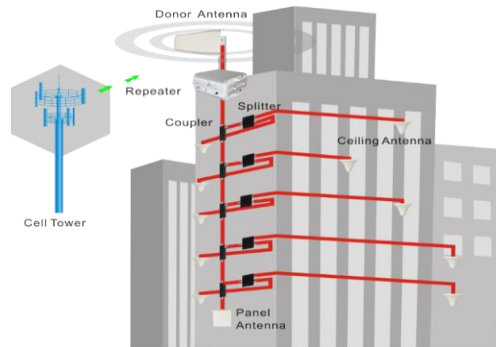
Monitoring Parameters

Gain, Frequency, Repeater ON/OFF, Alarm Message, etc.

Alarm Items

Power-off Alarm ,High temperature Alarm, etc.

Installation Example



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