



▶ A05, 9/F, Block 2, Camel Paint Building, 62 Hoi Yuen Road, Kwun Tong, Kowloon, HongKong



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Data *shee*

Pico DAS - The Only Option for 100% Coverage

Auto Uplink Shutdown when no user is detected to ensure no interference to the macro network

Smart Digital and Analog ALC are applied to provide Dynamic Gain separately for uplink & downlink



Specifications	Model DCG900(10/15/20)KZ
Working Frequency MHz	GSM 890 — 915 / 935— 960
Output Power (Max.) dBm	10 / 15 / 20
Input Power dBm	-55 to -25
Gain dB	≤ 65
IM3 dBc	≤ -30
Spurious Emission dBm	≤ -30
Group Delay	UL ≤ 1μs
Noise dB	≤ 5
Gain Flatness	≅ 5dB (p-p),
AGC dB	60 in 1dB steps (Auto)
ALC dBm	60
VSWR	≤ 3
Dimension	268 x 355 x 58
Power Supply	220V ac
Connector	N-F

PicoDAS works as a bridge between the BTS and mobiles. It picks up the strongest signal from BTS via the Donor Antenna, linearly amplifies the signal and then retransmits it via the Distribution Antenna System to the weak/ blind coverage .

PicoDAS marries the benefits of the repeater and pico-cell solutions. If signal coverage is required then the DAS can be connected to the indoor port of our **PicoDAS**.

PicoDAS provides an affordable solution to solve the indoor signal coverage problems due to signal fading and attenuation caused by architecture obstacles. And its easy installation and maintenance can help normal users setup without the need of





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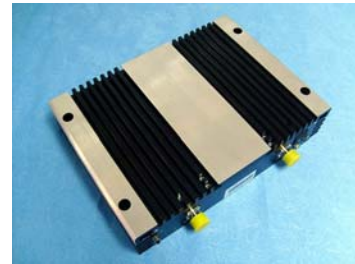
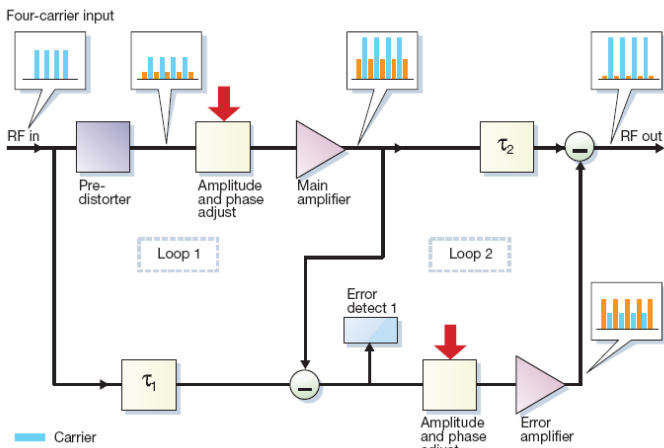


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PROVISIONAL

MCPA RF Amplifier Modules



Specifications	DT-G900-KM-43-I
Bandwidth MHz	Any 40 MHz band
Output Power (Max.) dBm	43 - 46 (20 - 40w)
Air Interface	EGSM / CDMA / DCS / WCDMA
Gain dB	50
Gain Flatness dB	± 0.5
Linearity	First adjacent channel ACLR 1 < -51 dBc Second adjacent channel ACLR 2 < -60 dBc
Efficiency	13.4 to 20
Temperature °C	+5 to +45
Intermod dBc	- 55 (Typical)
Harmonics dBm	- 13 / 1MHz
VSWR	1.4
Power Supply DC	28 Vdc

RF Amplifier Modules

The DT MCPA amplifier modules offer compact, economical amplifier solutions for OEMS. They are housed in die-cast boxes and do not include power supplies or fan forced cooling. They can be supplied with a suitable heatsink if required.





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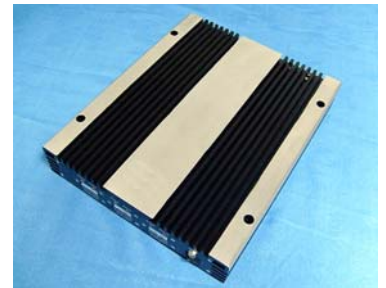


RF Repeater Series



Features

- Enable Signal Coverage indoor & Outdoor
- Available in 1 Band, Dual Band & Tri Band versions
- Works with all mobile operators, HSDPA, EDGE & GPRS support for data
- Different modules and combinations available for CDMA, GSM, DCS & WCDMA
- LED monitor the status of operation
- Normal AC Power Supply



**Full Range of
Products to suit
your needs:**

Any Band

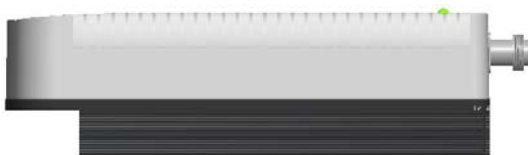
Any Combination

7 to 46 dBm

Low Noise

High Performance

AGC





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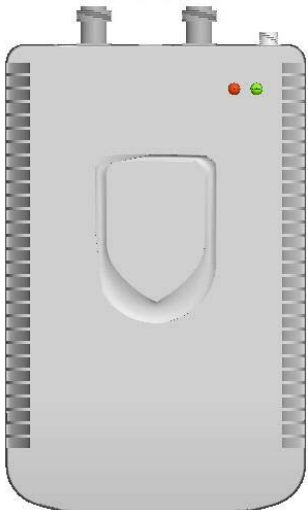
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RF Repeater Series

Specifications	Model DC 30	Model DC 20	Model DC 10
	TRI BAND	DUAL BAND	SOLO
Working Frequency MHz	GSM 890 – 915 / 935– 960 DCS 1710 –1785 / 1805– 1880 WCDMA 1920 –1980 / 2110– 2170	GSM 890 – 915 / 935– 960 DCS 1710 –1785 / 1805– 1880	Anyone of : GSM 890 - 960 DCS 1710 - 1880 WCDMA 1920 - 2170 CDMA 825 - 880MHz
Power (Max.) dBm	7 to 46 dBm		
Gain dB	≤ 60	≤ 55	≤ 55
IM3 dBc	≤ -30	≤ -30	≤ -30
Noise dB	≤ 10	≤ 6	≤ 6
Gain Adjustment	0 – 31 dB(1dB step)	0 – 31 dB(1dB step)	0 – 31 dB(1dB step)
ALC dB	20	30	30
VSWR	≤ 3	≤ 2.0	≤ 2.0
Dimension	268 x 355 x 58	218 x 145 x 42	218 x 145 x 42
Power Supply	220V ac	220V ac	220V ac
	-F		N-F

* all specifications subject to final confirmation



**Full Range of Products
to suit your needs:**

Any Band

Any Combination

7 to 46 dBm

Low Noise

High Performance AGC

Easy to Install

Contact:

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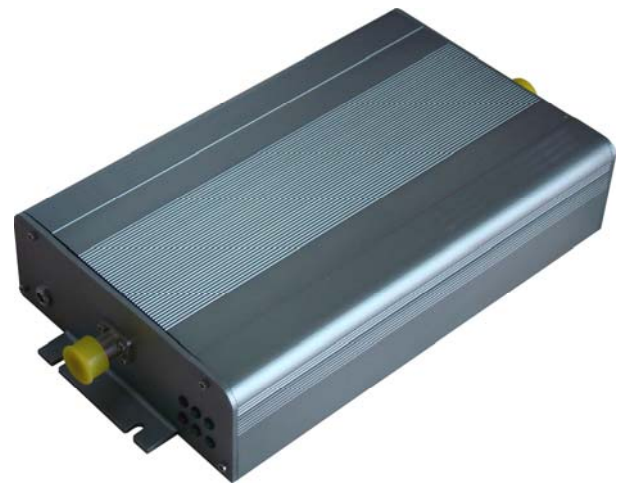


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Dual Band GSM/DCS Repeater

Specifications	Model DC 20 / 2009
Working Frequency MHz	GSM 890 – 915 / 935– 960 DCS 1710 –1785 / 1805– 1880
Power (Max.) dBm	7 to 46 dBm
Gain dB	≤ 55
IM3 dBc	≤ -30
Noise dB	≤ 6
Gain Adjustment	0 – 31 dB(1dB step)
ALC dB	30
VSWR	≤ 2.0
Dimension	218 x 145 x 42
Power Supply	220V ac
Connector	N-F



***Full Range of Products
to suit your needs:***

Any Band

Any Combination

7 to 46 dBm

Low Noise

High Performance AGC

Easy to Install

Coverage gaps detected when optimising a network can easily and cost-effectively be covered by deploying a repeater. DragonTECH Repeater has higher output power and lower noise figure than common market offerings.

The Channel Selective Repeater can also be used to generate cost-effective coverage in an indoor environment, typically a building or tunnel. A seamless and continuous coverage is thereby achieved.





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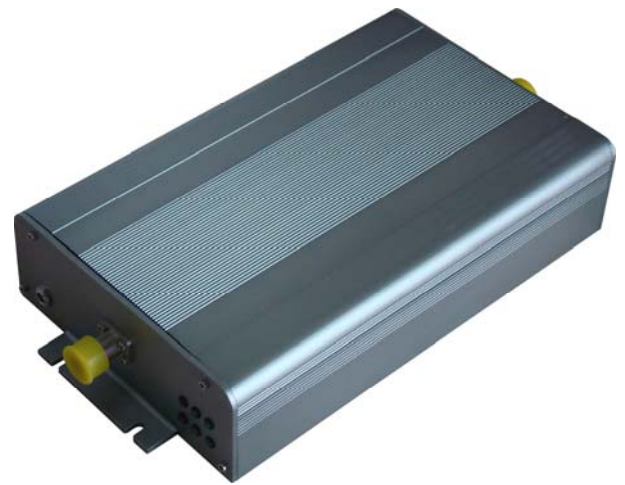


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Dual Band GSM/WCDMA Repeater

Specifications	Model DC 21 / 2009
Working Frequency MHz	GSM 890 – 915 / 935– 960 WCDMA 1920-980 / 2110-2170
Power (Max.) dBm	7 to 46 dBm
Gain dB	≤ 55
IM3 dBc	≤ -30
Noise dB	≤ 6
Gain Adjustment	0 – 31 dB(1dB step)
ALC dB	30
VSWR	≤ 2.0
Dimension	218 x 145 x 42
Power Supply	220V ac
Connector	N-F



***Full Range of Products
to suit your needs:***

Any Band

Any Combination

7 to 46 dBm

Low Noise

Advanced AGC & ALC

Easy to Install

Coverage gaps detected when optimising a network can easily and cost-effectively be covered by deploying a repeater. DragonTECH Repeater has higher output power and lower noise figure than common market offerings.

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800MHz Tetra / iDen Repeater Series

Specifications	Model T10B	Model T10C
	BAND SELECTIVE	CHANNEL SELECTIVE
Working Frequency MHz	Uplink : 806 ~ 821MHZ Downlink : 851 ~ 866MHZ Isolation >110dB	Uplink : 806 ~ 821MHZ Downlink : 851 ~ 866MHZ Channel Frequency to be specified
Power (Max.) dBm	20W, 10W, 5W, 2W, 1W	
Gain dB	80 ± 3	
IM3 dBc	≤ - 36	
Noise dB	≤ 5	
Spurious Emission dBm	9KHz-1GHz ≤-36dBm	
Group Delay μs	≤ 5	
Ripple dB	≤ 3	≤ 3
Gain Adjustment	0 – 31dB (1dB step)	
VSWR	≤ 2.0	
Dimension	300×460×700	
Weight (Max.) KG	40	
Working Temperature °C	-20 ~+55	
Humidity %	95	
Power Supply	AC 220V, DC 48V or Solar Power	



Coverage gaps detected when optimising a network can easily and cost-effectively be covered by deploying a repeater. DragonTECH Repeater has higher output power and lower noise figure than common market offerings.

The Channel Selective Repeater can also be used to generate cost-effective coverage in an indoor environment, typically a building or tunnel. A seamless and continuous coverage is thereby achieved.





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800MHz Tetra / iDen Repeater - 2 w

Model T10B - 2W	Specifications	
BAND SELECTIVE	Uplink	Downlink
Frequency Range	806 ~ 821MHz	851 ~ 866MHz
Working Bandwidth	15MHz	15MHz
Max. Gain	80 ± 3dB	80 ± 3dB
Manual Gain Control	31dB, 1dB step	31dB, 1dB step
Passband Ripple	≤ 3dB	≤ 3dB
Max Input Power	13dBm	13dBm
Max Output Power	20dBm	33dBm
IM3	≥ 40 dBc	≥ 40 dBc
Noise Figure	≤ 5dB	≤ 5dB
Delay	< 5μS	< 5μS
VSWR	≤ 1.5	≤ 1.5
Connector	N-50K	
Power Supply	170-264V _{AC} / 50Hz	
Operating Temp. Range	- 25°C ~ + 60°C	
Dimension	470 × 300 × 178 mm ³	
Weight	≤ 22kg	



Coverage gaps detected when optimising a network can easily and cost-effectively be covered by deploying a repeater. DragonTECH Repeater has higher output power and lower noise figure than common market offerings.

The Channel Selective Repeater can also be used to generate cost-effective coverage in an indoor environment, typically a building or tunnel. A seamless and continuous coverage is thereby achieved.





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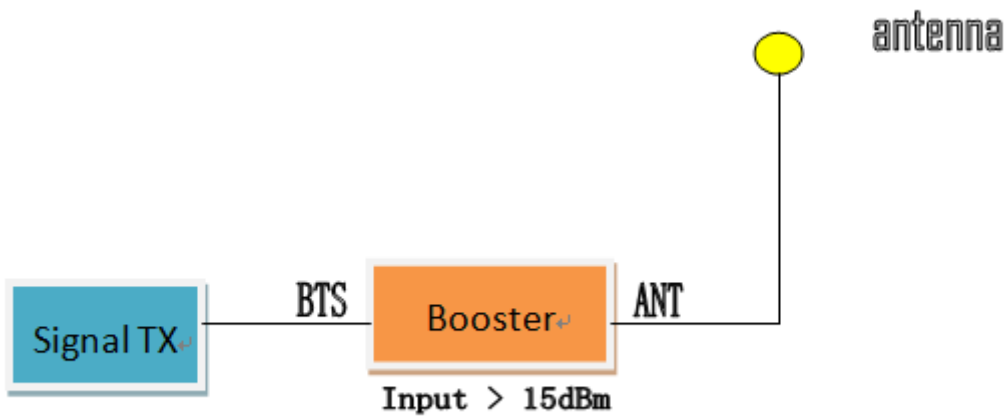


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800MHz Tetra / iDen Booster

Working	800-1000MHZ
Gain	25dB
Output	40dBm
ALC	Automatic
Input	>15dBm
Power	220vac





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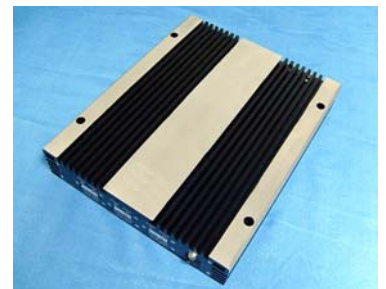


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CDMA 2000EVDO Repeater

Specification		825~835MHz ,870~880MHz
Gain		≅ 55
Manual Gain Control		≅ 31dB / 1dB step
Automatic Level Control		≅ 20dB
Output Power		UL ≅ 10dBm DL ≅ 10dBm
Intermodulation Products	9KHz~1GHz	≅ -36dBm @ 3KHz
	1GHz~12.7 5GHz	≅ -30dBm @ 3KHz
Spurious Emission	9KHz~1GHz	≅ -36dBm @ 3KHz
	1GHz~12.7 5GHz	≅ -30dBm @ 3KHz
Group Delay		≅ 5μs
Alarm		
LED indication	Power LED	DC ON/OFF
	Alarm LED	ALC 1~5dB,orange
		ALC 20~25dB,red
Mechanical		
Dimensions (W x H x D)	295x168x53mm	
Weight	≅ 2Kg	
Operating Tempera-	-10°C ~50°C	
Switch Adapter	Input AC 110~240V	



Features

- Different modules available for GSM, DCS, WCDMA, WLAN and WiMax
- LED monitor the status of operation
- Normal AC Power Supply
- Intelligent and adjustable AGC Gain
- Intelligent and automatic ALC to control output power at specified power





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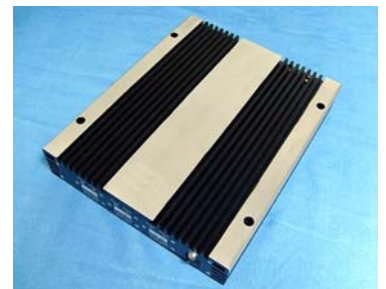


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Triband EGSM/DCS/WCDMA Repeater

Frequency Range	880~915MHz , 925~960MHz	1720-1785MHz, 1815-1880MHz	1920-980MHz, 2110-2170MHz
Gain	≅ 60 dB		
Automatic Level Control	≅ 20 dB		
Gain Flatness	≅ 8dB (p-p)	≅ 10dB (p-p)	≅ 8dB (p-p)
Output Power	UL ≅ 13dBm DL ≅ 13dBm		
Intermodulation	9KHz~1GHz ≅ -36dBm @ 3KHz		
Products	1GHz~12.75GHz ≅ -30dBm @ 3KHz		
Spurious Emission	9KHz~1GHz ≅ -36dBm @ 3KHz		
	1GHz~12.75GHz ≅ -30dBm @ 3KHz		
Group Delay	≅ 5μs	≅ 1.5μs	≅ 1.5μs
Noise Figure	≅ 10dB		
VSWR	≅ 3		
Alarm			
LED Indication	Power LED	DC ON/OFF	
	Alarm LED	ALC 1~5dB, orange	
ALC 20~25dB, red			
Mechanical Specification			
Dimension	268x355x58mm		
Weight	≅ 6.5Kg		
Operating Temperature	-10°C~50°C		
AC Power	Input AC 110~240V		



Features

- Different modules available for GSM, DCS, & WCDMA
- LED monitor the status of operation
- Normal AC Power Supply
- Intelligent and adjustable AGC Gain
- Intelligent and automatic ALC to control output power at specified power





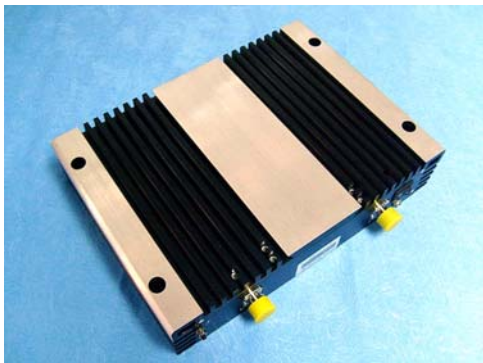
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DC10-SOLO-CDMA1900 Repeater



Specification		1903.125-1905.625MHz ,1983.125-1985.625MHz
Gain		≅ 55
Automatic Level Control		≅ 20dB
Gain Flatness		≅ 8dB (p-p),
Manual Gain Control (1dB step)		31dB in steps of 1dB
Output Power		UL ≥ 20dBm DL ≥ 20dBm
Intermodulation Products	9KHz~1GHz	≅ -36dBm @ 3KHz
	1GHz~12.75GHz	≅ -30dBm @ 3KHz
Spurious Emission	9KHz~1GHz	≅ -36dBm @ 3KHz
	1GHz~12.75GHz	≅ -30dBm @ 3KHz
Group Delay		UL ≤ 1μs
2、Alarm		
LED indication	Power LED	DC ON/OFF
	Alarm LED	ALC 1~5dB,orange
		ALC 20~25dB,red
3 Mechanical Specification		
Dimensions (W x H x D)	295x168x53mm	
Weight	≅ 2.5Kg	
Operating Temperature	-10°C~50°C	



Features

- Different modules available for GSM, DCS, WCDMA, WLAN and WiMax
- LED monitor the status of operation
- Normal AC Power Supply
- Intelligent and adjustable AGC Gain
- Intelligent and automatic ALC to control output power at specified power





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DC10a-SOLO-CDMA800 Repeater



Specification		828.105-830.565MHz 873.105-875.565MHz
Gain		≧ 55
Automatic Level Control		≧ 20dB
Gain Flatness		≧ 8dB (p-p),
Manual Gain Control (1dB step)		31dB in step of 1dB
Output Power		UL ≧ 20dBm DL ≧ 20dBm
Intermodulation	9KHz~1GHz	≧ -36dBm @ 3KHz
	1GHz~12.75GHz	≧ -30dBm @ 3KHz
Products	9KHz~1GHz	≧ -36dBm @ 3KHz
	1GHz~12.75GHz	≧ -30dBm @ 3KHz
Spurious Emission	9KHz~1GHz	≧ -36dBm @ 3KHz
	1GHz~12.75GHz	≧ -30dBm @ 3KHz
Group Delay		UL ≧ 1μs
2、Alarm		
LED indication	Power LED	DC ON/OFF
	Alarm LED	ALC 1~5dB,orange ALC 20~25dB,red
3 Mechanical Specification		
Dimensions mm	185*135*35	
(W x H x D)		
Weight	≧ 1.5Kg	
Operating Temperature	-10°C ~50°C	



Features

- Different modules available for GSM, DCS, WCDMA, WLAN and WiMax
- LED monitor the status of operation
- Normal AC Power Supply
- Intelligent and adjustable AGC Gain
- Intelligent and automatic ALC to control output power at specified power

