

# Multi Operator Combiner

POI-CGDW-TW01

## Features and Product Description

- Permits combining of CDMA2000, GSM900, GSM1800 and WCDMA services.
- 100W and inter-band isolation.
- Low insertion loss and intermodulation.
- Main applications: convention centers, exhibition halls, airports, underground tunnels and other large buildings.



## Technical Specification

Electrical				
Frequency Range	CDMA2000	1 x TX / RX	MHz	870 – 890 / 825 – 845
	GSM900	2 x TX / RX		940 – 960 / 895 – 915
	GSM1800	4 x TX / RX		1805 – 1861 / 1710 – 1766
	WCDMA	4 x TX / RX		2110 – 2170 / 1920 – 1980
Input Power Rating Per Port			W	100
Insertion Loss			dB	≤ 8.5
Return Loss			dB	≥ 14
Isolation	Cross Band	GSM900 / GSM1800 / WCDMA	dB	≥ 70
		CDMA2000 / GSM1800 & WCDMA		≥ 70
		CDMA2000 / GSM900		≥ 50
	Same band	≥ 20		
3rd Order Intermodulation @ 2 x 43dBm Carrier			dBc	< -140
Impedance			Ω	50
Mechanical				
Dimension (L x W x H)			mm	482 x 466 x 488
Weight			kg	60
Number of Output Ports – Combined Duplex				4
Number of Input Ports – Duplex				11
Number of Monitors Ports – 30dB				1
Connector Type	Input / Output Ports			7/16 DIN-Female
	Monitor Port			N-Female
Operational Temperature			°C	0 to +50
Operating Humidity			%	< 95
Mounting				19" Rack
Environmental Class				Indoor

## Shipping Information

Shipped in wooden crate		
Dimensions, H x W x D	mm	960 x 860 x 1100
Weight	kg	122

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