

# 16 In to 8 Out 5G POI

**3300-3570 MHz**

**JTDMCB-16I8O-4.3-10F-3500**



## 5GNR (3.5G TDD)

Multi-band POI (Point Of Interface) is a multi-band combiner that mixes RF signals of many different frequency bands into four loops to the antenna system.

The combiner is generally used at the transmitting end, and its function is to combine two or more radio frequency signals from different transmitters into one radio frequency device sent to the antenna for transmission, while avoiding the mutual influence between the signals of each port.

The combiner generally has two or more input ports and only one output port. Port isolation is a relatively important indicator used to describe the ability of two signals to not affect each other.

The **JTDMCB-16I8O-4.3-10F-3500** multi-band POI is high performance 16-input port into 8 ports MIMO(4X4) RF combiner that can simultaneously transmit signals of multi- system to a single set of indoor signal distribution system. The hybrid combiner features low insertion loss, high isolation and excellent temperature stability.

## Key features

- Combines 16 input ports into 8 output ports.
- Low insertion loss & low PIM.
- High isolation between separate band inputs.
- Support MIMO 4X4 DAS.



## Advantages

- ☑ Multi\_standards/Multi\_operators
- ☑ Modular design for easy maintenance
- ☑ Stable and Improved Signal Transmission Quality
- ☑ Easy installation with 19" cabinet
- ☑ Provide monitoring ports to facilitate on-site trouble shooting

# Specifications

## Technical characteristics

Items		Specifications
Operating Frequency	4Ports 3.5GHz-A	3300~3340MHz
	4Ports 3.5GHz-B	3340~3420MHz
	4Ports 3.5GHz-C	3420~3510MHz
	4Ports 3.5GHz-D	3510~3570MHz
Insertion Loss		≤ 4.5dB
Isolation		≥ 28dB
VSWR		≤ 1.288
PIM3		≤ -153dBc@2x43dBm
Input Power		150W per Port
Connector Type		4.3-10 Female
Impedance		50 Ω
Operating Temperature		-20°C to +55°C
Relative Humidity		5% ~ 95%
Number of BTS Ports		16
Number of Antenna Ports		8
Dimensions		19-inch box
Weight		TBD
Mounting Structure		19-inch Rack Mount

# Applications

To expand signal coverage or fill signal blind area where signal is weak or unavailable.

**Outdoor:** Airports, tourism regions, golf courses, tunnels, factories, mining districts, villages, ...

**Indoor:** Hotels, exhibition centers, basements, shopping malls, offices, parking lots, ...

5G services POI 16:8 ( MIMO 4:4)

