



## Scope and Application

The KYMATA DAS product line definitively and economically resolves all WiFi and 5G coverage issues in the industrial and logistics sectors. The MPNSM5G couplers with SmartMIMO technology, paired with KYMATA DAS antennas, enable reaching a new level of performance in 5G Mobile Private

## SmartMIMO Technology

The bidirectional MPNSM5G combiner incorporates the patented SmartMIMO technology, allowing the creation of MIMO 2x2 wireless coverage using a single KYMATA DAS antenna, with performance superior to any conventional system.

## 5G MPN

Mobile Private Networks (MPNs) arise from the need to provide machine-to-machine (M2M) connectivity through 5G networks, particularly in industrial and institutional settings. The new models of Kymata antennas from the ANT5Gx series, designed to deliver maximum performance on the private 5G bands at 3.5GHz and WiFi bands, allow the creation of heterogeneous networks with both technologies.



## Key Advantages

- ▶ Optimized combiner device for private 5G bands.
- ▶ Increased signal stability.
- ▶ Over 80% throughput increase.
- ▶ Realization of heterogeneous radio networks public/private 5G + WiFi.
- ▶ SmartMIMO technology for maximum performance on 5G and WiFi6.
- ▶ Facilitated maintenance in critical business situations.

## Technical Specifications

*Bidirectional Indoor SmartMIMO 5G Coupler. Designed for use in conjunction with Kymata DAS antennas for Mobile Private Network coverage in 5G technology.*

Chassis Material	Alluminium
Mechanical Dimensions	120 x 100 x 35 mm
Chassis Color	Natural Metal
DIN Mounting	DIN Rail IEC/EN 60715
Wall Mounting Holes	4 x $\phi$ 5mm
Power Supply	none/passive
Radio/Antenna Connectors	3 x N female
Operating Temperature	-30, +70°C
Operating Frequency	3.150~3.850 MHz
Max RF Input Power	from +8 to +33 dBm
Insertion Loss CH0	3dB +/- 1dB
Insertion Loss CH1	4.5dB +/- 1dB
Maximum TX Power	32 dBm
CH0/CH1 Separation	25 dB +/- 3dB

