

WiFi Over Inbuilding GSM Network

Extending Wi-Fi coverage – Fast Deployment, Cost Efficient



Looking for a **fastest, inexpensive** and **widest** coverage deployment for your Wi-Fi signal inside the building? We have the solution for you.

Our solution can **save you at least 80%** of project cost and time as compared to the usual method of deploying comprehensive Wi-Fi coverage in a building.

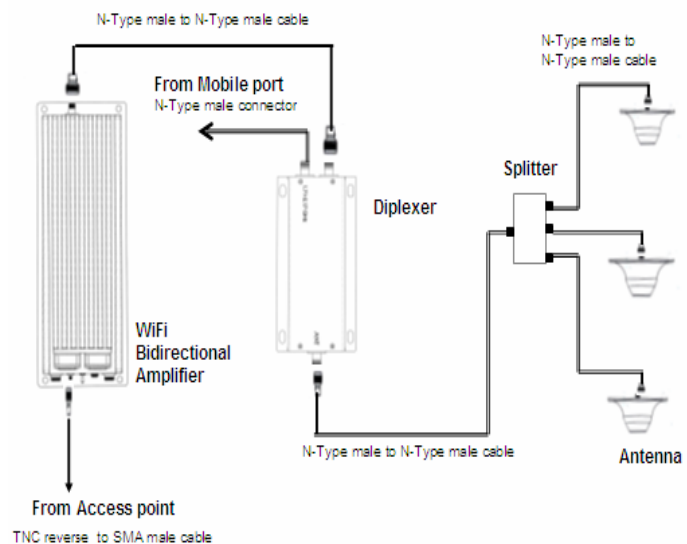
In less than an hour after installing our solution, you will get excellent Wi-Fi signal strength with coverage as large as the in-building GSM/CDMA network.

Maintenance and upgrading of large Wi-Fi coverage zone has never been easier. Simply because there are much lesser number of active equipment to maintain and all of them are centrally located.

Our solution is best deployed in mid-size buildings such as:

- hotel
- hospital
- single tenant building
- office block
- schools / campus
- shopping mall
- warehouse

The buildings must have existing in-building GSM antenna system operating in 2.2 – 2.5 GHz



Data-Specification

Power Amplifier



Diplexer



Antenna



Technical Specifications	Convertor	Mixer	Antenna
Frequency	2.4 to 2.5 GHz	Port 1: 800 to 960 MHz 1.71 to 1.88 GHz Port 2: 2.4 to 2.5 GHz	1.7 to 2.5 GHz Pattern: Bi-directional
Transmitter Gain	17 dB	- NA -	5 dBi
Transmitter Input (Rating)	10 – 23 dbm	100 W (both ports)	100 W
Transmitter Output	4W, 7W, 10W	- NA -	- NA -
Receiver Gain	12 dB	- NA -	5 dBi
Frequency Response	+/- 2.5 dB	+/- 2.5 dB	+/- 2.5 dB
Noise Figure	< 3 dB	- NA -	- NA -
Insertion Loss	- NA-	< -1.5 dB (both ports)	- NA -
Input Return Loss	- NA-	< - 14 dB (both ports)	> 14 dB
Isolation between ports	- NA -	> 60 dB	- NA -
IM Products	- NA -	> 100 dBm 2 carriers	- NA-
Impedance (Input/Output)	50 ohm	50 ohm	50 ohm
Supply Voltage	210 - 230 VAC	- NA -	- NA -

Physical Specifications	Power Amplifier	Diplexer	Antenna
Dimension	153 x 125 x 450 mm	130 x 230 x 85 mm	220 x 100 mm
Weight	7.6 kg	2.5 kg	0.7 kg
Connector	Input : SMA (F) Output: N-Type (F)	N-Type (Female)	N-Type (Female)
Ports	1 WiFi 1 Antenna	2 BTS, 1 Antenna	- NA -
Operating Temperature	-10 to + 50°C	-10 to + 50°C	-10 to + 50°C
Storage Temperature	-20 to + 65°C	-20 to + 65°C	-20 to + 65°C