



3.5GHz Antennas

3.45GHz | 3450–3550 MHz

CBRS | 3550–3700 MHz

C-band | 3700–3980 MHz

5G n78 | 3300–3800 MHz

5G n77 | 3300–4200 MHz

Product Catalog supplement
North America, 2024

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3.5 GHz is prime mid-band spectrum, striking a good balance between coverage and capacity. DENGYO’s portfolio of antennas and RF solutions cover the full range of the 3.5 GHz band (up to 4 GHz) with over 50 antennas. Our antennas support various orders of MIMO, beam forming, and are available for outdoor and indoor deployment.

For more than 70 years, DENGYO has sought to enrich our future by designing and developing RF solutions for mobile network operators. Partner with us for antenna solutions, standard off-the-shelf or customized, that maximize your coverage and capacity.

Options

- Single Band and Multiband
- Dual Port to Quad port for other bands
- Dual Port to 8-Port in 3300-4200
- FDD and TDD options
- Available from 2 foot high to 9 foot high
- Panel type, Canister & Specialty types

Applications

- 5G or LTE
- IoT
- Fixed Wireless Access (FWA)
- Private Networks
- Emerging Applications

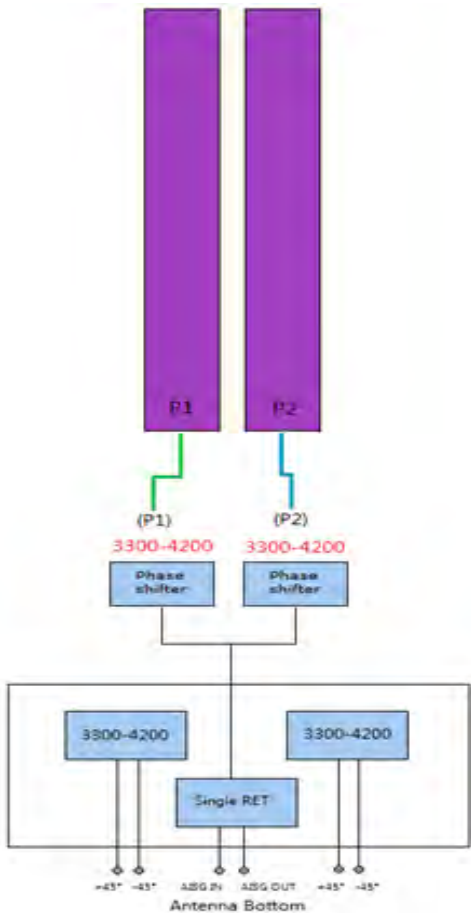
Other variations are possible based on the re-use of existing dipole column designs. Please contact us to discuss your custom specifications and delivery times.

4-port Panel Antennas



Model	Frequency Range MHz	Ports	Height ft	HBW deg
QUA3-2HX-CB65	4x3300-4200	4	3'	65°
QUA4-1B1R-RB65	2x698-960, 2x3300-4200	4	4'	65°
QUA4-2HX-BW65	4x3300-4200	4	4'	65°
QUA4-2HX-CB65	4x3300-4200	4	4'	65°
QUA6-2HX-CB65	4x3300-4200	4	6'	65°
QUA8-2HX-CB65	4x3300-4200	4	8'	65°

- Single and Dual Band
- 4 Ports 3300-4200 MHz
- 3 - 8 foot height options
- Slim efficient design
- RET included



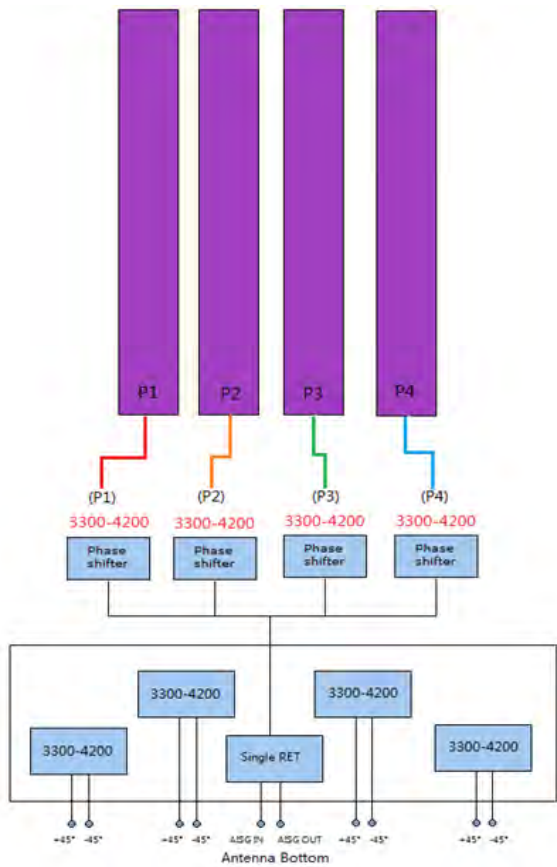
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8-port Panel Antennas



Model	Frequency Range MHz	Port s	Height ft	HBW deg
OCT3-4HX-CB65	8x3300-4200	8	3'	65°
OCT4-1A1G2U-RD85	2x617-894, 2x1695-2690, 4x3300-4200	8	4'	85°
OCT4-2AA2Q-RD65	4x790-960, 4x3300-3800	8	4'	65°
OCT4-2B2R-RD65	4x698-960, 4x3300-4200	8	4'	65°
OCT4-2J2R-RD65	4x1695-2700, 4x3300-4200	8	4'	65°
OCT4-4HX-CB65	8x3300-4200	8	4'	65°

- Single, Dual and Triple Band
- 4 and 8 Ports 3300-4200 MHz
- 3 - 4 foot height options
- Slim efficient design
- RET included

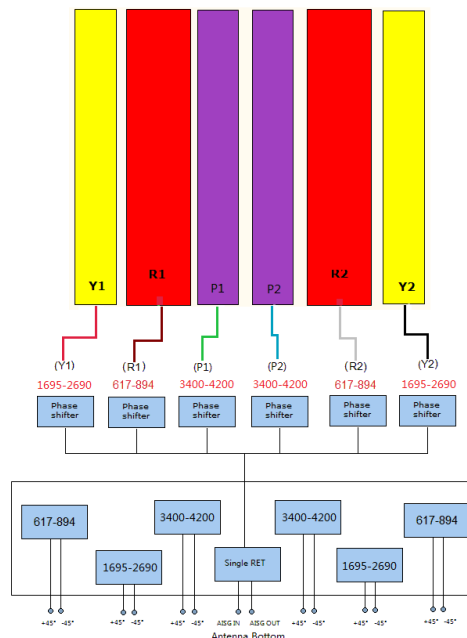


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10 and 12-port Panel Antennas

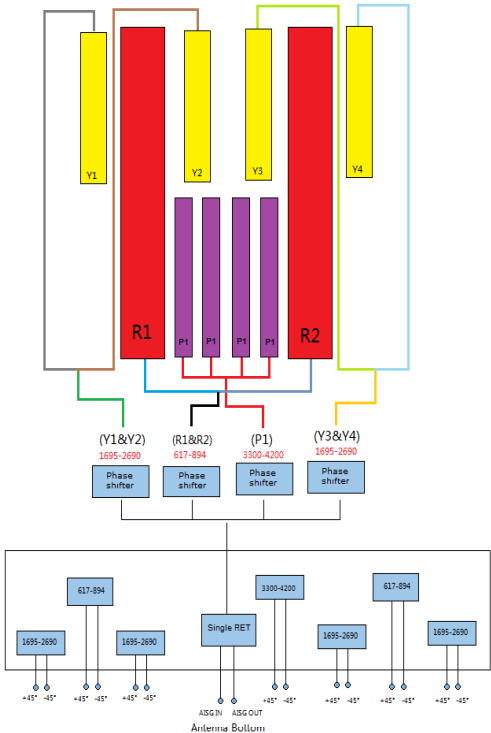
Model	Frequency Range MHz	Ports	Height ft	HBW deg
DEC2-5HX-CB65	2x1695-2690, 2x3300-4200, 1x5150-5925	10	2'	65°
DEC3-1A2G2U-RC85	2x617-894, 4x1695-2400, 4x3400-4200	10	3'	85°
DEC3-1A2J2U-RC65	2x617-894, 4x1695-2690, 4x3400-4200	10	4'	65°
DEC4-1A2G2U-RC65	2x617-894, 4x1695-2400, 4x3400-4200	10	4'	65°
DEC4-1A2G2U-RC85	2x617-894, 4x1695-2400, 4x3400-4200	10	4'	85°
DEC4-1A2J2U-RC65	2x617-894, 4x1695-2690, 4x3400-4200	10	4'	65°
DEC6-1A2G2U-RC65	2x617-894, 4x1695-2400, 4x3400-4200	10	4'	65°
DEC6-1A2J2U-RC65-S	2x617-894, 4x1695-2690, 4x3400-4200 (SBT)	10	4'	65°
DEC8-1A2J2U-RC65-S	2x617-894, 4x1695-2690, 4x3400-4200 (SBT)	10	4'	65°
DOD3-2LX4HX-CB65	4x617-894, 4x1695-2690, 4x3300-4200	12	3'	65°
DOD4-2LX4HX-CB65	4x617-894, 4x1695-2690, 4x3300-4200	12	4'	65°
DOD6-2A2J2R-RF45	4x617-894, 4x1695-2690, 4x3300-4200	12	4'	45°
DOD6-2A2J2R-RF65	4x617-894, 4x1695-2690, 4x3300-4200	12	4'	65°
DOD6-2LX4HX-CB65	4x617-894, 4x1695-2690, 4x3300-4200	12	6'	65°
DOD8-2A2J2R-RF45	4x617-894, 4x1695-2690, 4x3300-4200	12	8'	45°
DOD8-2A2J2R-RF65	4x617-894, 4x1695-2690, 4x3300-4200	12	8'	65°
DOD8-2LX4HX-CB65	4x617-894, 4x1695-2690, 4x3300-4200	12	8'	65°

- Single, Dual and Triple Band
- 10 to 12 RF Ports, 4 Ports 3300-4200 MHz
- 2 - 8 foot height options
- Includes RET



Model	Frequency Range MHz	Ports	Height ft	HBW deg
BMF4-2LX5HX-CB65	4x617-894, 8x1695-2690, 8x3300-4200	20	4'	65°
BMF5-2LX5HX-CB65	4x617-894, 8x1695-2690, 8x3300-4200	20	5'	65°
BMF6-2LX5HX-CB65	4x617-894, 8x1695-2690, 8x3300-4200	20	6'	65°
BMF7-2LX5HX-CB65	4x617-894, 8x1695-2690, 8x3300-4200	20	7'	65°
BMF8-2LX5HX-CB65	4x617-894, 8x1695-2690, 8x3300-4200	20	8'	65°
BMF9-2LX5HX-CB65	4x617-894, 8x1695-2690, 8x3300-4200	20	9'	65°

- Multi Band Antennas
- 20 RF Ports
- 4 ports 617-894 MHz
- 8 Ports 1695-2690 MHz
- 8 Ports 3300-4200 MHz
- One MQ4 connector with 4 RF ports
- One MQ5 connector with 4 RF ports plus calibration port
- 4 -9 foot height options
- Includes RET



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Model	Frequency Range MHz	Ports	Height ft	HBW deg
BMF5-2LX7HX-CB65	4x617-894, 12x1695-2690, 8x3300-4200	24	5'	65°
BMF7-2LX7HX-CB65	4x617-894, 12x1695-2690, 8x3300-4200	24	7'	65°
BMF9-2LX7HX-CB65	4x617-894, 12x1695-2690, 8x3300-4200	24	9'	65°
BMF5-2LX6HX-CB65	4x617-894, 8x1695-2690, 8x2500-2690, 8x3300-4200	28	5'	65°
BMF7-2LX6HX-CB65	4x617-894, 8x1695-2690, 8x2500-2690, 8x3300-4200	28	7'	65°
BMF9-2LX6HX-CB65	4x617-894, 8x1695-2690, 8x2500-2690, 8x3300-4200	28	9'	65°
BMF4-2LX3HX-CB65	4x617-894, 4x1695-2690, 8x3300-4200	16	4'	65°
BMF6-2LX3HX-CB65	4x617-894, 4x1695-2690, 8x3300-4200	16	6'	65°
BMF8-2LX3HX-CB65	4x617-894, 4x1695-2690, 8x3300-4200	16	8'	65°

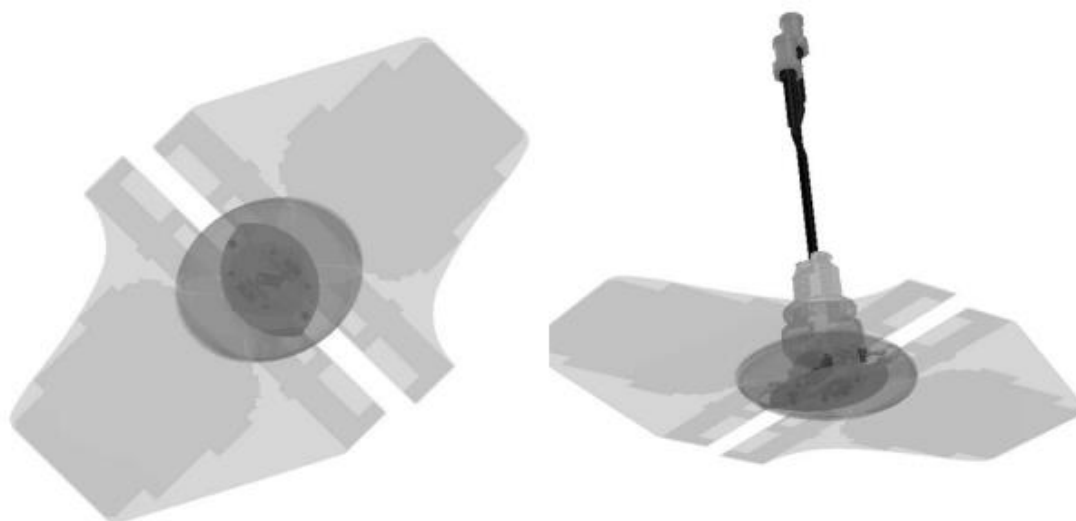
- **Multi Band (3 and 4 band versions)**
- **16-28 RF Ports**
- **4 ports 617-894 MHz**
- **4, 8 and 12 Ports 1695-2690 MHz**
- **8 Ports 3300-4200 MHz**
 - One MQ4 connector with 4 RF ports
 - One MQ5 connector with 4 RF ports plus calibration port
- **4 - 9 foot height options**
- **Includes RET**

Model	Frequency Range MHz	Ports	Height ft	HBW deg
CAN2-2HX	4x3300-4200	4	2	360°
CAN3-2HX	4x3300-4200	4	3	360°
CAN2-1LX5HX	2x617-894, 4x1695-2690, 4x3300-4200, 2x5150-5925	12	2	360°
CAN2-1LX7HX	2x617-894, 8x1695-2690, 4x3300-4200, 2x5150-5925	16	2	360°
CAN2-2LX7HX	4x617-894, 8x1695-2690, 4x3300-4200, 2x5150-5925	18	2	360°
CAN2-2LX6HX	4x617-894, 8x1695-2690, 4x3300-4200	16	2	360°
CAN6-2LX4HX	4x617-894, 4x1695-2690, 4x3300-4200	12	6	360°

- Multi Band (1-4 band versions)
- 4-18 RF Ports
- Bands
 - 617-894 MHz
 - 1695-2690 MHz
 - 3300-4200 MHz
 - 5150-5925 MHz
- 2 - 6 foot height options
- Including RET on some models



Indoor Multi-band Omni Antenna Horizontal Polarization [H×2]



Specifications

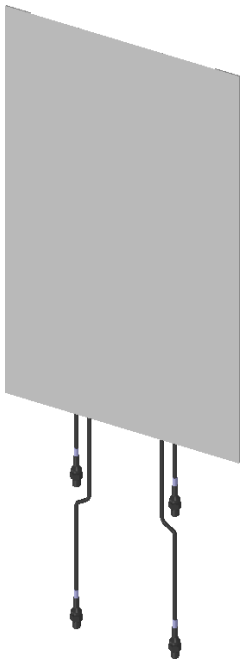
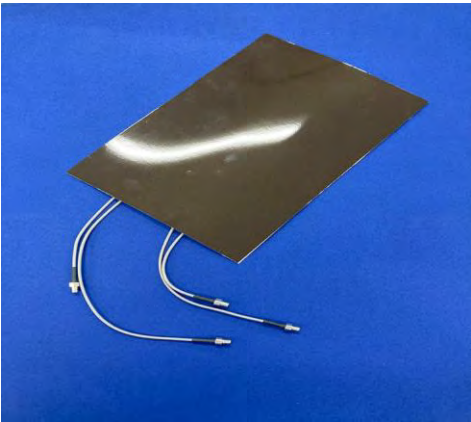
Frequency Band [MHz]	617-960	1427-2170	2545-5850	5850-7200
Impedance	50Ω			
Polarization	Horizontal			
VSWR	≦ 2.0			
Gain	2 dBi	3 dBi	4 dBi	5 dBi
Isolation	> 15dB	> 17dB	> 20dB	
Max. Power per Input	50W			
IM3	< -150dBc @20W×2			
Operating Temperature	-30 ~ +70℃			
Operating Humidity	5 ~ 95%			
Weight	400g			
Dimensions	355mm×240 mm			
Connector Type	N Connector - female			
Cable Type	Semi-Flexible Coaxial Cable			
Cable Length	≧80mm			
Cable Diameter	Cable Diameter: 4.5mm / Insulator Diameter: 3.0mm			
Antenna Material	Plastics			

4 port version (4x4 MIMO, 1710-7200MHz) also available (VT-M1772-002)

Film Wrap Antenna – GS00190

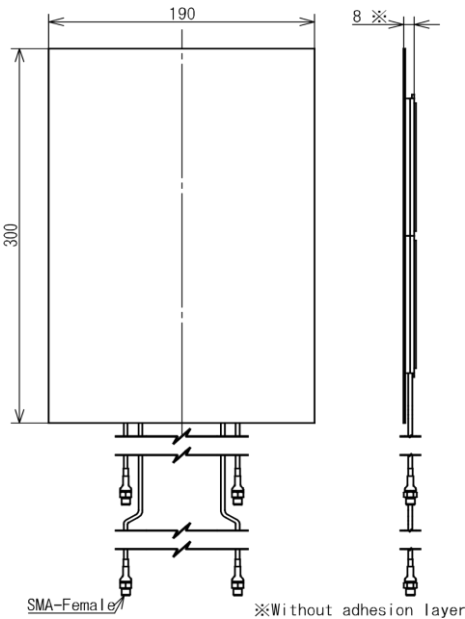


3.5GHz 4 MIMO Film Wrap Sector Antenna
Single -band 3400-4100 MHz, 70°, 9dBi, 0°Tilt
Flexible | Adhesive | Decorable | Invisible

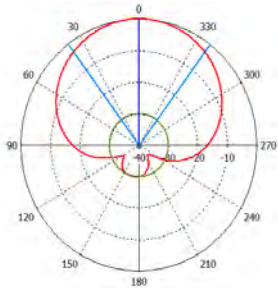


Specifications	
Frequency Range	3400MHz ~ 4100MHz
Half-Power Beam Width	Horizontal: 70° Vertical: 35°
Impedance	50Ω
Polarization	±45°
VSWR	≥ 2.0
Gain	Approx. 9dBi
Electrical Down tilt	0°
Max. Power per Input	20W
Operating temperature	-30 ~ 60 deg C
Dust / Water resistance	IEC 60529 IPX5
Weight	Approx. 200g

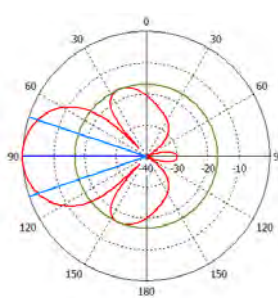
Dimensions (mm)



Horizontal Pattern



Vertical Pattern





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