

# DX10FRO260-00/06

## NWAV™ 2F Panel Antenna

### 10-port panel antenna from 1695-5925 MHz

2F panel antenna, 10 ports: 4 ports 1695-2690 MHz, 4 ports 3550-3700 MHz, and 2 ports 5150-5925 MHz\*

- X-Pol, Small Cell, panel antenna
- Suitable for pole or building mount
- 4x4 MIMO for AWS, PCS, and CBRS
- 2x2 MIMO for LAA
- Suitable for LTE/UMTS/CDMA/GSM technologies



\* This antenna meets current U-NII-1 requirements for gain and upper side lobe pattern characteristics with Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E. Compliant to 789033 D02 General U-NII Test Procedures v01r04.

Electrical specification (min/max)	Ports 1, 2, 3, 4				
Frequency bands, MHz	1695-1880	1850-1990	1920-2180	2300-2400	2496-2690
Polarization	± 45°				
Average gain, dBi	13.3	13.8	13.9	14.2	14.3
Horizontal beamwidth (HBW), degrees <sup>1</sup>	67°	64°	64°	62°	58°
Vertical beamwidth (VBW), degrees <sup>1</sup>	16.7°	16.4°	15.4°	13.4°	11.7°
Fixed electrical downtilt (EDT), degrees	0 or 6°				
Cross-polar isolation, port-to-port, dB <sup>1</sup>	25				
Max VSWR / return loss, dB	1.5:1 / -14.0				
Max PIM (3rd order, 2x20W) dBc	-153				
Maximum input power port, watts	150				

Electrical specification (min/max)	Ports 5, 6, 7, 8	Ports 9, 10
Frequency bands, MHz	3550-3700	5150-5925
Polarization	± 45°	± 45°
Average gain, dBi	15.5	5.5
Horizontal beamwidth (HBW), degrees <sup>1</sup>	48°	48°
Vertical beamwidth (VBW), degrees <sup>1</sup>	9°	26°
Fixed electrical downtilt (EDT), degrees	0°	
Cross-polar isolation, port-to-port, dB <sup>1</sup>	22	25
Max VSWR / return loss, dB	1.5:1 / -14.0	1.5:1 / -14.0
Max PIM (3rd order, 2x20W) dBc	N/A	
Maximum input power, watts	50	10

<sup>1</sup> Typical value over frequency.

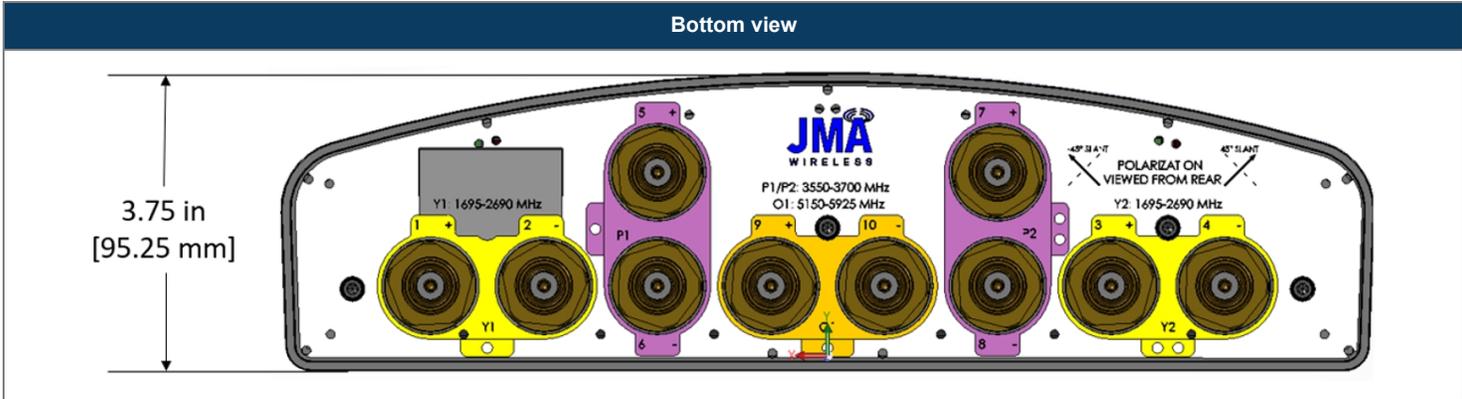
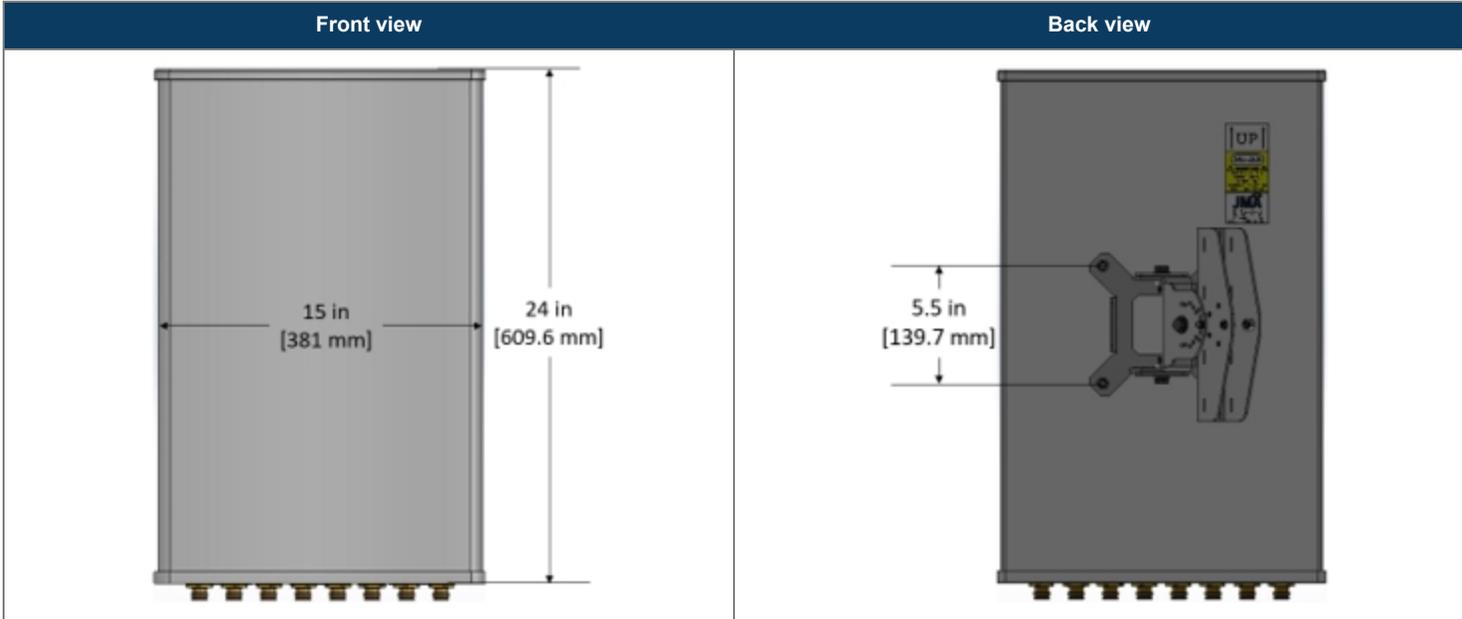
Note: Vertical beam upper side lobe at 5150-5925 MHz < -15 dB at > 30° above horizon



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Mechanical specifications	
Dimensions height/width/depth, inches (mm)	24/ 15/ 3.75 (610/ 381/ 127)
No. of RF input ports, connector type, and location	10 x 4.3-10 female, back
RF connector torque	96 lbf·in (10.85 N·m or 8 lbf·ft)
Net antenna weight, lb (kg)	11.1 (5)
Weight with supplied pipe mount bracket, lb (kg)	16.2 (7.3)
Shipping weight, lb (kg)	22 (10)
Rated wind survival speed, mph (km/h)	150 (241)
Frontal wind loading @ 150 km/h, lbf (N)	43 (191)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	0.45



Ordering information	
Antenna model	Description
DX10FRO260-00	2F panel antenna, 10 ports, (4) 1695-2700 zero degrees EDT, (4) CBRS zero degrees EDT, (2) LAA zero degrees EDT
DX10FRO260-06	2F panel antenna, 10 ports, (4) 1695-2700 six degrees EDT, (4) CBRS zero degrees EDT, (2) LAA zero degrees EDT
Mounting kit (included)	91900324 articulating bracket with X- and Y-axis adjustments and rotation