

# SSPX310M

4-port sector antenna, 4x 3300–3800 MHz, 65° HPBW, manual electrical tilt (not upgradeable)

## OBSOLETE

This product was discontinued on: December 31, 2018

## Electrical Specifications

Frequency Band, MHz	3300–3550	3550–3800
Gain, dBi	17.5	17.7
Beamwidth, Horizontal, degrees	65	62
Beamwidth, Vertical, degrees	7.3	6.7
Beam Tilt, degrees	0–10	0–10
USLS (First Lobe), dB	18	18
Front-to-Back Ratio at 180°, dB	30	30
CPR at Boresight, dB	23	20
CPR at Sector, dB	12	8
Isolation, Cross Polarization, dB	30	30
Isolation, Inter-band, dB	30	30
VSWR   Return Loss, dB	1.43   15.0	1.43   15.0
PIM, 3rd Order, 2 x 20 W, dBc	-140	-140
Input Power per Port, maximum, watts	150	150
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

## Electrical Specifications, BASTA\*

Frequency Band, MHz	3300–3550	3550–3800
Gain by all Beam Tilts, average, dBi	17.2	17.4
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.3
Gain by Beam Tilt, average, dBi	0 °   17.2 5 °   17.2 10 °   17.1	0 °   17.5 5 °   17.5 10 °   17.2
Beamwidth, Horizontal Tolerance, degrees	±2.8	±2.3
Beamwidth, Vertical Tolerance, degrees	±0.2	±0.2
USLS, beampeak to 20° above beampeak, dB	18	18
Front-to-Back Total Power at 180° ± 30°, dB	27	26
CPR at Boresight, dB	23	20
CPR at Sector, dB	13	8

\* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs](#).

## General Specifications

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<b>Operating Frequency Band</b>	3300 – 3800 MHz
<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Performance Note</b>	Outdoor usage

## Mechanical Specifications

<b>RF Connector Quantity, total</b>	4
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Interface</b>	N Female
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Radome Material</b>	ASA, UV stabilized
<b>RF Connector Location</b>	Bottom
<b>Wind Loading, frontal</b>	253.0 N @ 150 km/h   57.3 lbf @ 150 km/h
<b>Wind Loading, lateral</b>	13.3 lbf @ 150 km/h   59.0 N @ 150 km/h
<b>Wind Speed, maximum</b>	250 km/h   155 mph

## Dimensions

<b>Length</b>	752.0 mm   29.6 in
<b>Width</b>	300.0 mm   11.8 in
<b>Depth</b>	115.0 mm   4.5 in
<b>Net Weight, without mounting kit</b>	7.5 kg   16.5 lb

## Packed Dimensions

<b>Length</b>	944.0 mm   37.2 in
<b>Width</b>	356.0 mm   14.0 in
<b>Depth</b>	201.0 mm   7.9 in
<b>Shipping Weight</b>	10.0 kg   22.0 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)



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## Included Products

T-095-S4 — Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (50-115mm) OD round members for panel antennas. Includes 2 clamp sets.

## \* Footnotes

### **Performance Note**

Severe environmental conditions may degrade optimum performance