HHTTP-65T-F

10-port small cell antenna, 4x 1695-2200, 4x 2496–2690 and 2x 5150-5925 MHz, 65° Horizontal Beamwidth, fixed tilt. Pigtail cables with Nex10 connector (male) for Port 1~8 and 4.3/10.0 male for Port 9, 10.

- FCC U-NII1 Compliant for gain and upper sidelobe suppression
- Designed for inside-the-shroud deployments such as DOITT-approved structures
- Supports AWS/PCS, BRS and LAA bands

This product will be discontinued on: March 30, 2024

General Specifications

Antenna Type	Small Cell
Band	Multiband
Color	White
Performance Note	Outdoor usage
Radome Material	ASA, UV stabilized
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Male | NEX10 Male
RF Connector Location	End of flexible lead
RF Connector Quantity, high band	2
RF Connector Quantity, mid band	8
RF Connector Quantity, total	10

Dimensions

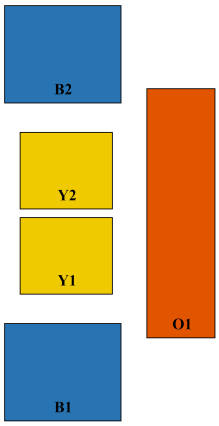
Width	127 mm | 5 in
Depth	36 mm | 1.417 in
Length	470 mm | 18.504 in
Net Weight, without mounting kit	1.7 kg | 3.748 lb

5 GHz Port Power Table

HHTTP-65T-F

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

Array Layout

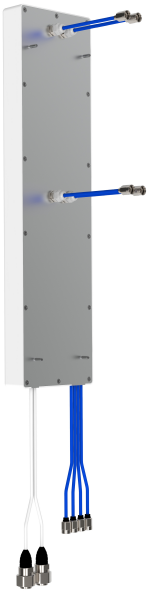


Array ID	Frequency (MHz)	RF Connector	HPBW	RET (N/A)	AISG No.	AISG RET UID
B1	1695-2200	1 - 2	65°	N/A	NA	N/A
B2	1695-2200	3 - 4	65°			
Y1	2496-2690	5 - 6	65°			
Y2	2496-2690	7 - 8	65°			
O1	5150-5925	9 - 10	65°			

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration

HHTTP-65T-F



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2200 MHz | 2496 – 2690 MHz | 5150 – 5925 MHz
Polarization	±45°
Total Input Power, maximum	400 W

Electrical Specifications

Frequency Band, MHz	**1695–1920**	**1920–2200**	**2496–2690**	**5150–5925**
Gain, dBi	8.2	8.2	8	3.2
Beamwidth, Horizontal, degrees	72	72	72	71
Beamwidth, Vertical, degrees	74	75	64	21
Beam Tilt, degrees	0	0	0	0
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	27	26	26	21
Isolation, Cross Polarization, dB	20	20	20	20
Isolation, Inter-band, dB	20	20	20	20
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	
Input Power per Port, maximum,	50	50	50	5

watts

Electrical Specifications, BASTA

Frequency Band, MHz	1695–1920	1920–2200	2496–2690	5150–5925
Gain by all Beam Tilts, average, dBi	7.9	7.9	7.6	2.7
Gain by all Beam Tilts Tolerance, dB	±0.5	±0.6	±0.7	±0.9
Beamwidth, Horizontal Tolerance, degrees	±3.9	±3.5	±7.4	±3.3
Beamwidth, Vertical Tolerance, degrees	±9.3	±12	±7.1	±1.6
CPR at Boresight, dB	23	21	20	14

Mechanical Specifications

Wind Loading @ Velocity, frontal	67.0 N @ 150 km/h (15.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	83.0 N @ 150 km/h (18.7 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	18.0 N @ 150 km/h (4.0 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	195 mm | 7.677 in
Depth, packed	140 mm | 5.512 in
Length, packed	575 mm | 22.638 in
Weight, gross	2.4 kg | 5.291 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance