

ARU-6B-Internal

ComFlex NG Series Distributed Antenna System

Features

- 6 Independent Frequency Bands
- 5G Ready Analog DAS – Supports 2500BRS and C-Band.
- Supports 194MHz of BRS and 280 MHz of C-Band Spectrum
- Powered Over Coaxial Cable
- Ceiling or Wall Mountable
- 16 ARU per HUB & 128 ARU per Master Unit
- Automated RF Calibration



Product Description

The ComFlex NG series Active Remote Unit (ARU) is an active antenna solution designed to bring improved signal quality in a compact efficient form factor. The slim ARU supports 6 independent bands, LTE 700MHz, CELL 850 MHz, PCS 1900MHz, EAWS, BRS 2500TDD, and C-Band 3700 TDD. Supporting all part 20 off air FDD bands while integrating both BRS TDD and C-Band TDD, offers an efficient solution to bring immediate coverage and a 5G ready solution. Integrated active antennas boost coverage, streamline network planning, and accelerate deployment schedules.

Specifications

General		
Categories		ComFlex NG, Enterprise Wireless Communications
MBTF @ 25° C	H	131,667

Mechanical		
Dimensions, H x W x D (approx.)	in	9.75" x 9.75" x 3"
Dimensions below ceiling (hardlid or drop tile mount)	in	9.75" x 9.75" x 1.5"
Weight (approx.)	lb	7
Packed Dimensions, H x W x D	in.	18.9" x 13" x 5.9"
Packed Weight	lbs.	12
RF / DC Power Connectors		N Female
Enclosure Cooling		Passive Cooling
Installation Type		Ceiling/Wall

Electrical			700MHz SMH	850MHz CELL	1900MHz PCS	2100MHz EAWS	2500MHz BRS	3700MHz C-Band
Uplink Frequency Range	MHz		698-716 777-787	824-849	1850-1915	1710-1780	2496-2690	3700-3980
Downlink Frequency Range			728-756	869-894	1930-1995	2110-2180	2496-2690	3700-3980
Operating Bandwidth	MHz		28	25	65	70	194	280
Downlink Output Power	dBm	POI Card	19	19	19	19	22	22
		BDA Card	10dBm/5MHz	10dBm/5MHz	10dBm/5MHz	10dBm/5MHz	22	N/A
ARU Antenna Maximum Gain	dBi		3.34	3.68	6.79	6.52	7.07	6.33
Maximum Downlink EIRP (POI)	dBm		22.34	22.68	25.79	25.52	29.07	28.33
Maximum Downlink EIRP (BDA)	dBm		17	17	17	17	29.07	N/A
Pass Band Ripple (p-p)	dB		≤ 4	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6
Spurious emission			FCC	FCC	FCC	FCC	FCC	FCC
Uplink Max Input Power at ARU	dBm		-10					
Uplink Noise Figure at Max Gain	dB		≤ 10					
ATT Adjustable Range (1dB step)	dB		ARU: 0-20					
Power Supply	DC-48	VDC	-53 (from ARU-HUB-AC, no local power required)					
Power Consumption Maximum	W		45					

Environmental		
Operating Temperature (Normal Operation)	°F	+23 to +113
Operating Temperature (Degraded Operation)	°F	-4 to +131
Operating Humidity		≤ 95%
Ingress protection		IP30
Heat Dissipation	BTU / h	153.45

Certifications

ARU-6B-Internal	
UL Certification	UL 62368-1
FCC Certification	PX8CFNG-ARU
Plenum Rating	UL2043-2013 (R2018)

Ordering Information

	P/N	Description
Master Unit	ARU-6B-Internal	Active Remote Unit - 6 Band Support (700/850/1900/2100/2500/3700) - 19dBm (FDD) / 22dBm (TDD)