



sDAS⁺ Dual Band Fiber DAS

RAU-25/66_01

Overview

sDAS⁺ series is a fiber Distributed Antenna System. The sDAS⁺ offers the industry leading and most innovative technology to help mobile operator to extend the RF signal coverage into any indoor/outdoor environment from small to large scale. Indoor/outdoor coverage network becomes a manageable services.



A sDAS⁺ system includes the HEU and RAU. RAU is the remote antenna unit which extends the RF signal through the single mode fiber. RAU can be ceiling, pole or wall mounted with built-in or external antenna options.

Key Features

- Distribute the LTE signal via a fiber network
- Source/Technology independent
- Star chain network topology
- Optics/RF Auto-calibration
- Multi-operator
- SNMP

Applications

- Indoor coverage
- Tunnel coverage
- Elevator coverage
- Campus signal extension
- Shadow area signal enhancement



Specification

Electrical Interface & Mechanical Specification		
RF Interface	RF1 Frequency Range Downlink / Uplink	Extended PCS 1930 ~ 1995MHz / 1850 ~ 1915MHz
	RF2 Frequency Range Downlink / Uplink	Extended AWS 2110 ~ 2180MHz / 1710 ~ 1780MHz
	Embedded Antenna	Omni (4dBi) *
	Connector	N-female x 2 *
	Output Power	+14 ~ +19dBm, 1dB/step configurable
	Uplink Noise Figure	7dB max. at max. UL gain
Fiber Interface	Connector	LC/APC x 2
	Wavelength	1310nm
	Laser Output Power	+5 ± 1.5dBm
	Optical Rx Sensitivity	-9dBm
Power	Power Supply	+36 ~ +58VDC, 802.3at
	Power Consumption	15W max.
Environmental	Operating Temperature	32 ~ 113°F
Mechanical	Dimensions, L x W x H	9.1 x 5.6 x 3.1inches
	Weight	3.1lb
	Mounting	Ceiling, wall or pole mount
Certification	FCC ID	OUPIFDSP19U21U
LED Specification		
PWR	Green	Power on
RAU	Green	Normal
	Flash Green	Firmware upgrade
	Red	RAU alarm
Fiber	Green	Provisioned & Calibrated
	Flash Green	Optical power detected, ready for provisioning & calibration
	Dark	No optical power

*Specifications are subject to change without prior notice

RAU order information : External N-type connector : RAU-25/66_01NC
 Built-in Omni antenna : RAU-25/66_010A