sDAS⁺ Dual Band Fiber DAS HEU-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 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. The HEU can take RF signal from any source like Macro/Pico/Small Cell/BDA and distribute the signal to RAUs in different locations via the single mode fiber. Each HEU can convert and distribute the RF signal to max. eight RAUs to 3 miles distance.

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
	Connector	N-female x 2
	Downlink Input Power	+5 ~ +25dBm per port
	Uplink output power	Max. -31dBm
	Input Return Loss	>=14dB
Fiber Interface	Connector	LC/APC x 16 , support 8 RAUs star chain configuration
	Wavelength	1310nm
	Laser Output Power	-4 ± 2 dBm
	Optical Rx Sensitivity	+0.5dBm
Power, Control & Monitoring Interface	Connector	10/100 BaseT, RJ45
	Power Supply	+36 ~ +58VDC, 802.3at
	Power Consumption	8W
Environmental	Operating Temperature	0 ~ +45ºC (32 ~ 113ºF)
Mechanical	Dimensions, L x W x H	218 x 146 x 42mm (8.6 x 5.7 x 1.7inches)
	Weight	1.4Kg (3.1lb)
	Mounting	Standard 1U rack mount

LED Specification

Power	Green	Power on
HEU	Green	Normal mode
	Flash Green	Firmware upgrade
	Red	HEU alarm
RF	Green	RF signal detected
	Dark	No RF signal
Fiber Port 1~8	Green	RAU has been provisioned & calibrated
	Flash Green	RAU has been provisioned but not calibrated yet, or RAU firmware upgrade
	Red	RAU alarm or link failed
	Dark	RAU has not been provisioned yet

HEU order information : HEU model no. HEU-25/66_01,   HEU 1U Rackmount kit model no. : HEU-1U