sDAS Dual Band HEU HEU-1/3_01

Overview

sDAS series is a fiber Distribution 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 and a new business model.

The sDAS system includes the HEU and RAU. The HEU can take RF signal from any source like Macro/Pico/Repeater/Small Cell and distribute the signal to RAUs in different locations via the single fiber. Each HEU can convert and distribute the RF signal to max. six RAUs to 5km distance. Both star and daisy chain topology are supported

Key Features

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

Applications

- Indoor coverage
- Tunnel coverage
- Rural area signal extension
- Shadow area signal enhancement

Specification

HEU-1/3_01		
RF Interface	RF Interface	N Type Female x 2
	RF1	Uplink : 1710 ~ 1785MHz
		Downlink : 1805 ~ 1880MHz
	RF2	Uplink : 1920 ~ 1980MHz
		Downlink : 2110 ~ 2170MHz
	Input Power Range	+10 ~ +30 dBm per port
	Power Overload Protection	Shut down downlink path when RF input power > +35dBm per port
	Input Return Loss	≧14dB
Fiber Interface	Fiber Connector	SC/APC x 2, each fiber interface supports up to 3ea RAUs in daisy chain configuration
	Wavelength	Downlink : 1550nm Uplink : 1310nm
	Laser O/P Power	5.5dBm typical. 4dBm minimum
	Optical RX Sensitivity	-8.5dBm
Power, Control and Monitoring	Interface	10/100 BaseT, RJ45 connector
	Power Input	802.3at
	DC Input Range	+36 ~ +58 VDC
	Power Consumption	12W
Environmental	Operating Temp Range	0 ~ +45 ℃
Dimensions & Weight	Dimensions	218 (L) x 146(W) x 42(H) mm
	Weight	1.4 Kg
Mounting		Standard 1U rack mount interface
HEU LED	**Color**	**Description**
Power	Green	Power on
	Red	HEU system DC abnormal
HEU	Green	Normal mode
	Flash Green	1. Calibration mode, or 2. Firmware upgrade
	Red	Failure alarm
RF1/RF2	Green	RF signal detected
	Dark	No RF signal
RAU1/2/3	Green	RAU has been provisioned and calibrated
	Flash Green	RAU has been provisioned but is standby for calibration or under diagnostic test or firmware upgrade
	Red	RAU connection failed after provisioned
	Dark	RAU doesn't provision yet

* Specifications are subject to change without prior notice