



BC2 + BC4 SISO sDAS Specification

Version: 1.0

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HEU Technical Specification

Electrical Interface & Mechanical Specification		
RF Interface	RF1 Frequency Range Downlink Uplink	1930 ~ 1990MHz 1850 ~ 1910MHz
	RF2 Frequency Range Downlink Uplink	2110 ~ 2155MHz 1710 ~ 1755MHz
	Connector	N-female x 2
	Input Power	+10 ~ +30dBm per port
	Power Overload Protection	Shut down downlink path when RF input power > 35dBm per port
	Input Return Loss	>=14dB
Fiber Interface	Connector	SC/APC x 2, each supports up to 3 RAUs in daisy chain configuration
	Wavelength, Downlink	1550nm
	Wavelength, Uplink	1310nm
	Laser Output Power	5.5dBm typical; 4dBm minimum
	Optical Rx Sensitivity	-8.5dBm
Power, Control & Monitoring Interface	Connector	10/100 BaseT, RJ45
	Power Input	802.3at
	Power Supply	+36 ~ +58VDC
	Power Consumption	12W
Environmental	Operating Temperature	0 ~ +45°C (32 ~ 113°F)
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	1. Calibration mode, or 2. Firmware upgrade
	Red	HEU Alarm
RF	Green	RF signal detected
	Dark	No RF signal



RAU1/2/3	Green	RAU has been provisioned & calibrated
	Flash Green	1. RAU has been provisioned, and waiting for calibration, or 2. Under diagnostic test, or 3. Firmware upgrade
	Red	1. RAU link failed, or 2. RAU alarm
	Dark	RAU has not been provisioned yet

RAU Technical Specification

Electrical Interface & Mechanical Specification		
RF Interface	RF1 Frequency Range Downlink Uplink	1930 ~ 1990MHz 1850 ~ 1910MHz
	RF2 Frequency Range Downlink Uplink	2110 ~ 2155MHz 1710 ~ 1755MHz
	Connector	N-female x 2
	Output Power	+12 ~ +18dBm, 1dB/step configurable
	Uplink Noise Figure	6dB max. at max. UL gain
Fiber Interface	Connector	SC/APC x 2, for daisy chain in and out
	Wavelength, Downlink	1550nm
	Wavelength, Uplink	1310nm
	Laser Output Power	-1dBm typical; -2.5dBm minimum
Power	Optical Rx Sensitivity	-2dBm
	Power Input	802.3at - B type compatible
	Power Supply	+36 ~ +58VDC
Environmental	Power Consumption	20W max.
	Operating Temperature	0 ~ +45°C (32 ~ 113°F)
Mechanical	Dimensions, L x W x H	230 x 142 x 80mm (9.1 x 5.6 x 3.1inches)
	Weight	1.4Kg (3.1lb)
	Mounting	Wall mount or pole mount
LED Specification		
PWR	Green	Power on
Fiber	Green	Provisioned & calibrated
	Flash Green	1. Optical power detected & ready for provisioning & calibration, or 2. Under diagnostic test, or 3. Firmware upgrade
	Dark	No optical power