

FIBEROPTIC DONOR-TO-BDA

Antenna Extender for wireless coverage



Features & Benefits

- Versions for US and EU Mobile Wireless Bands
- Versions Available for TDD Services
- Distances 2,000 ft and more
- Point-to-Point or Distributed Up to 8 Locations
- Compact, IP67 Weatherproof Antenna Unit
- Local or Remote Power Options

Applications

- Collocate BDA at DAS Headend with remote Donor Antenna
- Simulcast Off-Air Wireless to Multiple Sites
- Temporary Off-Air Services for DAS

ANTENNA EXTENDER

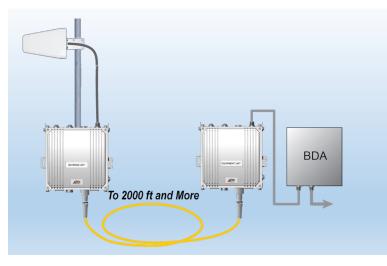
Description

Extending wireless coverage indoor based on outdoors donor antenna becomes simpler. Where it is impractical to install coax from the donor antenna to the signal booster, Optical Zonu offers the Antenna Extender. This RF-Over-Fiber bi-directional link provides transmission of the mobile wireless bands to distances up to 2,000 ft and more. There are versions for the 5 primary US FDD bands, the T-Mobile 2.5 TDD band and the 5 primary EU bands. Mini-DAS configuration with up to 8 BDA fed by single antenna is supported as well.

The Antenna Extender has two components. The **Antenna Unit** is connected to the donor antenna. It can be powered locally or remotely with hybrid fiber + conductor cable. The unit can be mounted indoors or outdoors near the antenna. Connection to the antenna is N-type coax cable connector

The Equipment Unit is connected to the BDA or Signal Booster. It is powered locally by a -48V external supply. The RF connection to the indoor equipment is via N-type connector.

The unit installs easily with no adjustments or computer set up. Optional support for multi-mode fiber.



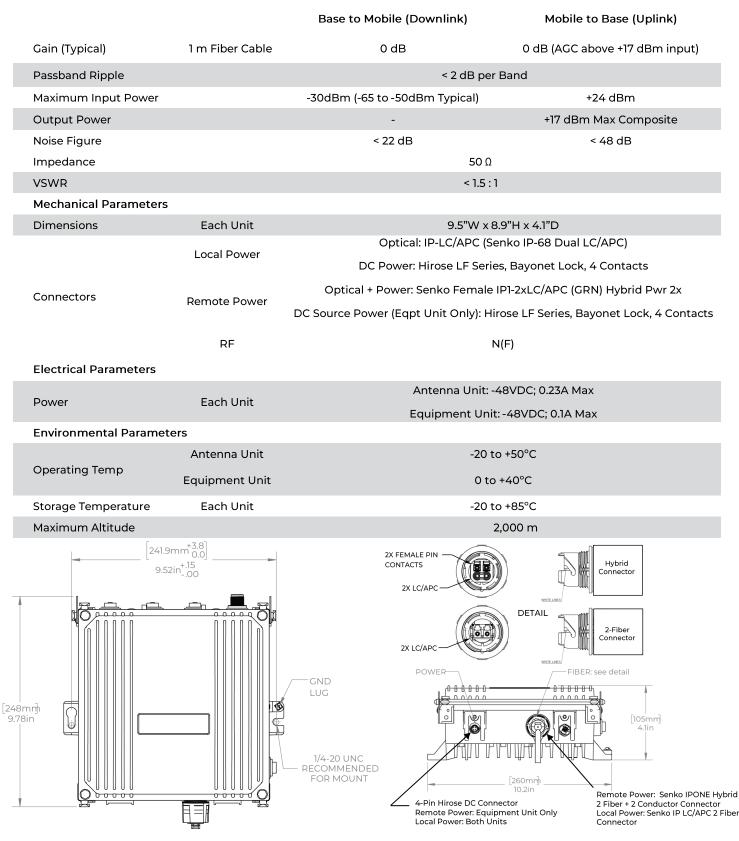
vwww.opticalzonu.com | info@opticalzonu.com

©2021 Optical Zonu Corporation. All rights reserved. Contents are subject to change without notice.



Donor-to-BDA Extender Specifications

RF Parameters



vwww.opticalzonu.com | info@opticalzonu.com ©2021 Optical Zonu Corporation. All rights reserved. Contents are subject to change without notice.



Available Versions

US FDD Bands

	Band	Base to Mobile (Downlink)	Mobile to Base (Uplink)
Frequency Range	700	728 – 757 MHz	698 – 716 MHz, 776 - 787 MHz
	800/Cell	862 – 894 MHz	817 – 849 MHz
	PCS	1930 – 1995 MHz	1850 – 1915 MHz
	AWS 1	2110 – 2155 MHz	1710 – 1755 MHz
	WCS	2350 - 2360 MHz	2305 - 2315 MHz

FirstNet

	Band	Base to Mobile (Downlink)	Mobile to Base (Uplink)
Frequency Range	14	758 – 768 MHz	788 – 798 MHz

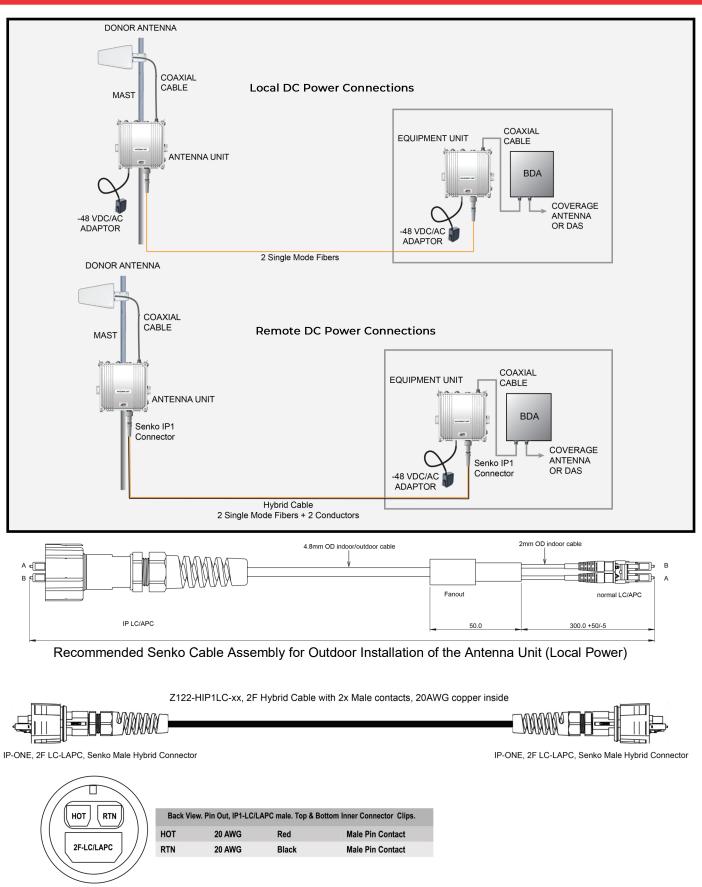
EU Bands

Frequency Range	Band	Base to Mobile (Downlink)	Mobile to Base (Uplink)
	20	791 – 821 MHz	832 – 862 MHz
	8	925 – 960 MHz	880 – 915 MHz
	3	1805 – 1880 MHz	1710 – 1785 MHz
	1	2110 – 2170 MHz	1920 – 1980 MHz
	7	2620 - 2690 MHz	2500 - 2570 MHz



FIBEROPTIC DONOR-TO-BDA

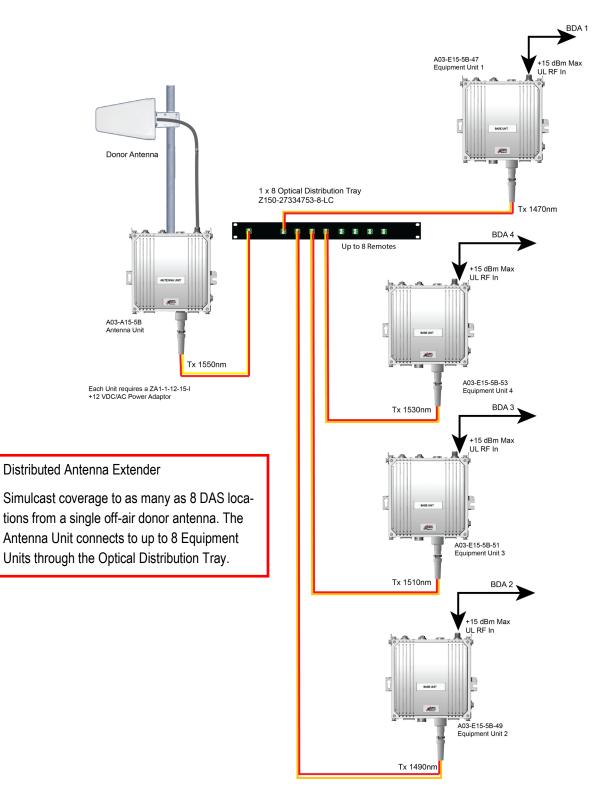
Antenna Extender



Recommended Senko Cable Assembly with Remote Power for Outdoor Installation of the Antenna Unit



Distributed Antenna Extender

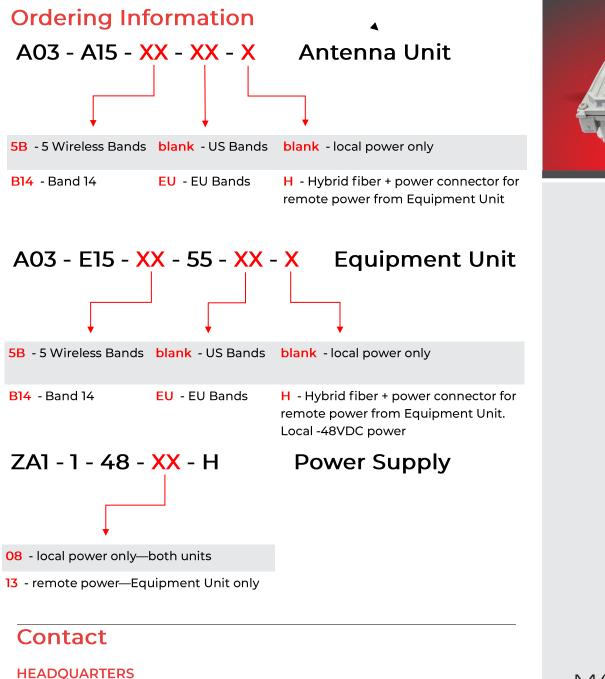


Ordering: Contact Factory



FIBEROPTIC DONOR-TO-BDA

Antenna Extender



7510 Hazeltine Avenue, Van Nuys, CA 91405 Main: 818-780-9701 Fax:818-780-9739 info@opticalzonu.com

INSIDE SALES 818-780-9701x122; 818-616-2043

sales@opticalzonu.com

CUSTOMER SUPPORT SALES - RF 818-780-9701x276; 818-452-5131 support@opticalzonu.com sales@opticalzonu.com sales@opticalzonu.com

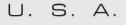
818-780-9701x122; 818-579-9630

SALES - RF EAST 818-780-9701x140; 818-579-9630

SALES - SATCOM 818-780-9701x242; 818-452-5896 sales@opticalzonu.com SALES - DIGITAL 818-780-9701x131; 818-579-9592 sales@opticalzonu.com **TECHNICAL SUPPORT**

818-780-9701x134; 818-579-2359 support@opticalzonu.com







20210514 Rev 8.2

vwww.opticalzonu.com | info@opticalzonu.com

©2021 Optical Zonu Corporation. All rights reserved. Contents are subject to change without notice.