

Public Safety Centric DAS Master

406.1 - 439 MHz

HONBDA-DRMA-L2

Product Features

- Specifically designed for LMR and Public Safety Applications
- Channelized
- Programmable uplink squelch (per channel and time slot) for reduced UL noise contribution
- Software programmable channel selective or band selective operation, suitable for highly congested RF environments
- Centralized operation, single point of access
- AGC per channel and time slot
- Preserves the far end communications and protects BTS Rx sensitivity
- Compatible with Public Safety Centric DAS Remotes
- Buy American Compliant: Meets the definition of Domestic Construction Material under the Buy American Act
- IFC 2021 Edition Standard
- NFPA 72 2019 Edition, NFPA 1221 2019 Edition



Applications

- For P25 Ph1, P25 Ph2, DMR, TETRA, C2000, LTE (up to 960MHz) NXDN and Conventional Systems

- Indoor: tunnels, buildings, subways, airports, among others
- Outdoor: stadiums, canyons, dense urban areas, remote rural towns

Specifications

	Value
Fiber Optic	Single mode
WDM	Yes
Optical Wavelengths	1310 / 1550 nM
Operational Bands	406.1 - 439 MHz
Number of Channel Filters	64 channels + 4 BW adjustable
Group Delay	Channel Selective 150 kHz, 11.5µS Channel Selective 100kHz, 14.3µS Channel Selective 75kHz, 16.9µS Channel Selective 62.5kHz, 18.8µS Channel Selective 50kHz, 21.6µS Channel Selective 37.5kHz, 26.3µS Channel Selective 25kHz, 35.8µS Channel Selective 12.5kHz, 63µS or Band selective: 3.5 to 6.5µS, depending on BWA
Supported Fiber Loss	20dBo max
Optical Return Loss	>45dB
RF Input/Output Impedance	50Ω
Max Operational DL Input Power	-35dBm
DL Manual Attenuator	20dB in 1dB steps
Maximum UL Output Power	-6 dBm
UL IM and Spurious Generation	< -13dBm
UL Manual Attenuator	20dB in 1dB steps
Overall Gain (Master + Remote)	85dB in DL, 47dB in UL, regardless fiber length
RF Connectors	SMA (f)
Optical Connectors	LC / UPC
Number of Optical Ports	8
Noise Figure	<9dB
Power Supply	110VAC 60Hz & +24

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Specifications

	Value
Power Consumption	40W
Housing	Rack mount, 1 RU
Temperature Range	-22° to +131° F • -30° to +55° C
Humidity	<95% non condensing
Dimension and Weight	19in x 14.3in x 1.7in (484.22mm x 363.15mm x 43mm) - 17lbs (7.7kgs)
MTBF	>50,000 hours

Control and Alarms

	Value
Alarms Report	Via Master Unit Local: USB (POWER STATUS, MU STATUS, RM STATUS)
Master Unit Configuration	Local: USB

Normative

	Value
Standards	ITU T G 652 EN60825-1

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

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