Public Safety Centric DAS Master (136-869 MHz)

HONBDA-7S-D-RMA

Product Features



- Single stock item, field-programmable for VHF + UHF or 700MHz + FirstNet + 800 MHz
- Specifically designed for LMR and Public Safety Applications
- Redundancy features
- Field expandable
- 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
- Works with Public Safety Centric DAS Remotes
- Buy American Compliant: Meets the definition of Domestic Construction Material under the Buy American Act
- IFC 2015, 2018, 2021 Edition Standard
- NFPA 72 2013 Edition, NFPA 1221 2016 2019 Edition Standard

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 Single mode
WDM	Yes
Optical Wavelengths	1310 / 1550 nM
Operational Bands	VHF + UHF, PS700 + FirstNet + PS800
Number of Channel Filters	64 channels + 4 Bandwidth Adjustable per band
Available Channel Filter BW	150 kHz 100 kHz 75 kHz 62.5 kHz 50 kHz 37.5 kHz 25 kHz 2.5 kHz
Group Delay	Channel Selective 150kHz, 11.5µS Channel Selective 100kHz, 13.5µS Channel Selective 75kHz, 16.0µS Channel Selective 62.5kHz, 18.0µS Channel Selective 50kHz, 21.0µS Channel Selective 37.5kHz, 25.5µS Channel Selective 25kHz, 35.0µS Channel Selective 12.5kHz, 61.5µS or Band selective: 3.5 to 6.5µS, depending on BWA
Supported Fiber Loss	20dBo max.
Optical Return Loss	>45dB
RF Input/Output Impedance	50 Ω
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 per length
RF Connectors	SMA (f)
Specifications	Value

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Optical Connectors	LC / UPC
Number of Optical Ports	8
Noise Figure	<9dB
Power Supply	110VAC 60Hz & +24 VDC
Power Consumption	40W
Housing	Rack mount, 1 RU
Environmental	IP30
Temperature Range	-22º to +131º F • -30º to +55º C
Humidity	<95% non-condensing
Dimension and Weight	See Table 1
MTBF	>100,000 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
FCC	FCC, CFR 47, Part 15, Subpart B, Class A Digital devices
FCC ID	P3TDH14-3A

* Value valid for non duplexed units. This value can change depending on the filtering insertion loss of the duplexer.

Model	Type	Dimension	Weight
HONBDA-7S-D-RMA	VHF + UHF / PS700 + FirstNet + PS800, Class A, 8 ports	19 in (482.6mm) rack, 1 RU	13.22lbs.(6kg)

Ordering Information

HONBDA-7S-D-RMA: Rack mount, VHF + UHF or 700 + 800 + Band 14, direct connection, 64ch filters (Class A) + 4 Adb BW (Class B) per band, 8 optical ports, non-Over-The-Air

Standards and Codes

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for latest listing status.

- Buy American Compliant: Meets the definition of Domestic Construction Material under the Buy American Act
- FCC (Federal Communications Commission) Complaint
- IC Compliant
- IFC 2015, 2018, 2021 Edition Standard
- ISO 9001 PECB Certified
- NFPA 72 2013 Edition, NFPA 1221 2016 2019 Edition Standard
- RoHS Compliant

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We try to keep our product information up-to-date and accurate.
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