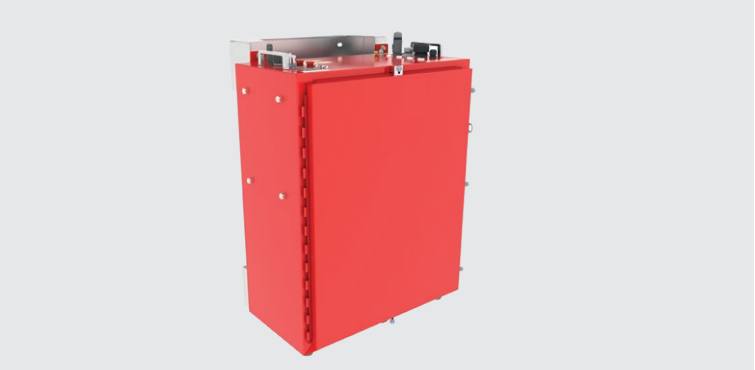
HIGH POWER ENTERPRISE DAS MASTER
758 - 869 MHz

HONBDA-x-EM4-37

Product Features



- Specifically designed for 700 MHz and 800 MHz, LMR and Public Safety Applications
- No need of "Front End BDA" or "POI", reduced infrastructure cost
- 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
- Supports Over The Air (OTA) operation
- Preserves BTS Rx sensitivity
- Signal Booster functionality, TO MOBILE RF Port available
- Country of Origin: USA
- 3-year warranty
- IFC 2015, 2018, 2021 Edition
- NFPA 72 2013 Edition, NFPA 1221 2016 2019 Edition
- UL2524 2nd Edition Listing with SGS, Nationally Recognized Testing Laboratory (NRTL) approved by OSHA for UL2524.
- Buy American Compliant: Meets the definition of Domestic Construction Material under the Buy American Act

Applications

- For P25 Ph1, P25 Ph2, DMR, TETRA, TETRAPOL, 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	PS700, FirstNet, PS800
Number of channel filters	32 UL - 32 DL + 2 Bandwidth adjustable per band
Available channel filter BW	150 KHz, 100 KHz, 75 KHz, , 62.5 KHz, 50 KHz, 37.5 KHz, 25 KHz & 12.5 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	5dBo 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	+24 dBm
UL IM and spurious generation	< -13dBm
UL manual attenuator	20dB in 1dB steps
Overall Gain (Master + Remote)	80dB

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RF connectors	N(f)
Optical connectors	FC / APC
Number of Optical Ports	4
Noise figure	<9dB
AC Supply	110/220 VAC 50/60Hz
Power consumption	200W
DC Supply	Optional, 24 - 48 VDC
Housing	IP67 / NEMA4X
Environmental	EN 300 019 4.1
Temperature range	-22º to +131º F • -30º to +55º C
Humidity	<95% non condensing
Dimension and weight	See table
MTBF	>50,000 hours

Signal Booster Specifications	Value
RF Ports	To Base & To Mobile
Operational bands	PS700 + FirstNet, PS800
Number of band pass (TO MOBILE Port)	One per band
Bandwidth (TO MOBILE Port)	Full band
Composite Output Power, DL (TO MOBILE Port)	PS700 + FirstNet: 37dBm PS800: 37dBm
Overall Gain	80 dB

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	P3TDH7S-7A

Model	Type	PWR Supply	Dimension	Weight
HONBDA-A-EM4-37	MASTER 700 + FirstNet + 800 - CLASS A	AC	30 x 24 x 16 in	36 kg
HONBDA-D-EM4-37	MASTER 700 + FirstNet + 800 - CLASS A	DC	30 x 24 x 16 in	36 kg

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