

ENTERPRISE DAS REMOTE

136 - 869 MHz

A Series

Product Features

- Specifically designed for LMR Enterprise Applications
- Field expandable
- No need of "Front End BDA" or "POI", reduced infrastructure cost
- Band Selective
- NFPA Compliant
- UL2524 2nd Edition Listing with SGS, Nationally Recognized Testing Laboratory (NRTL) approved by OSHA for UL2524
- IFC 2015, 2018, 2021 Edition
- NFPA 72 2013 Edition, NFPA 1221 2016 2019 Edition

Applications

- For P25 Ph1, P25 Ph2, DMR, TETRA, TETRAPOL, 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	VHF + UHF or PS700 + FirstNet + PS800
Number of band pass	One per band
Bandwidth	Full band
Number of optical ports	1 for MU
Optical return loss	> 45dB
Number of RF ports	VHF + UHF: 1 for DL out and 1 for UL in; 700+Firstnet+800: 1 for service antenna
RF Input/Output Impedance	50Ω
UL maximum input power	0dBm
manual attenuator	20dB in 1 dB steps +/- 0.5 dB
RF connectors	N (f)
Optical connectors	FC / APC
Composite Output Power, DL	VHF: 24 dBm UHF: 30 dBm 700&800 (including FirstNet): 33 dBm per band
DL IMD and spurious generation	< -13 dBm
Noise figure	< 9 dBm
Power Supply	See table
Power Consumption	100 W
Housing	IP67 / NEMA4X
Environmental	EN 300 019 4.1
Temperature range	-22° to +131° F • -30° to +55° C
Humidity	< 95% non condensing
MTBF	> 50.000 hours

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Control and Alarms

Alarms report	Value
	Via Master Unit
	Local: USB (POWER STATUS, MU STATUS, RM STATUS) Remote: SNMP (Ethernet)
Remote Unit Configuration	Local: USB

Normative

Standards	Value
	ITU T G 652 EN60825-1
FCC	FCC, CFR 47, Part 15, Subpart B, Class A digital devices FCC, CFR 47, Part 90, Subpart I
ETSI	EN301489-1; EN301489-18 EN60950-1; TS 101 789-1

Model	Type	Power Supply	Dimension	Weight
A14-A	VHF+UHF	AC & DC	27,2 x 20 x 9 in	27 Kg
A7S-A	700+firstnet+800	AC	27,2 x 20 x 9 in	27 kg
A7S-D	700+firstnet+800	DC	27,2 x 20 x 9 in	27 kg