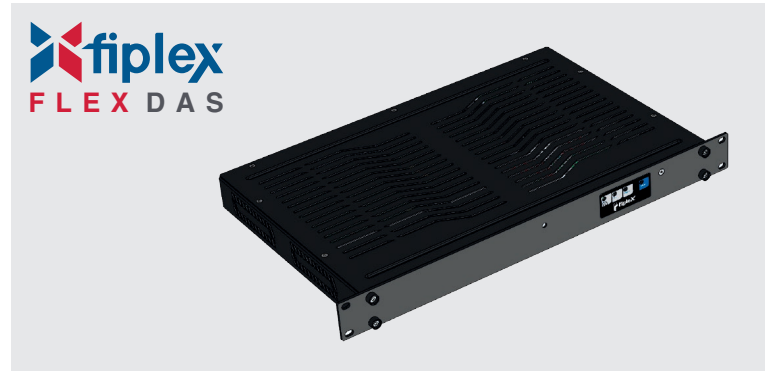


PUBLIC SAFETY CENTRIC DAS MASTER 136 - 869 MHz

DH147S Series

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
- NFPA Compliant
- Preserves the far end communications and protects BTS Rx sensitivity
- Works with Public Safety Centric DAS Remotes (DH Series)



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

| Specifications | Value |
|--------------------------------|---|
| Fiber Optic | Single mode |
| WDM | Yes |
| Optical wavelengths | 1310 / 1550 nM |
| Operational bands | VHF + UHF, PS700 + FirstNet + PS800 |
| Number of channel filters | 64 channels + 2 BW 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 | 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) | 80dB in DL, 47dB in UL, regardless fiber length |

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PUBLIC SAFETY CENTRIC DAS MASTER

136 - 869 MHz

DH147S Series

| | |
|-------------------------|-------------------------------------|
| RF connectors | N(f) |
| Optical connectors | LC / APC / Compatible with LC / UPC |
| Number of Optical ports | 8 |
| Noise figure | <9dB |
| Power Supply | 110VAC 60Hz & +24/-48VDC |
| Power consumption | 40W |
| Housing | Rack mount, 1 RU |
| Environmental | IP30 |
| Temperature range | -22° to +131° F • -30° to +55° C |
| Humidity | <95% non condensing |
| Dimension and weight | See table |
| MTBF | >100,000 hours |

| Control and Alarms | Value |
|---------------------------|---|
| Alarms report | Via Master Unit Local: USB (POWER STATUS, MU STATUS, RM STATUS) Remote: SNMP (Ethernet) |
| Master Unit Configuration | Local: USB or Ethernet (Web browser) Remote: Via SNMP or Web browser |

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

| Model | Type | Dimension | Weight |
|--------------|--|------------------|--------|
| DH147S-D-RMA | VHF + UHF / PS700 + FirstNet + PS800, Class A, 8 ports | 19 in rack, 1 RU | 6 kg |

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