

MAXNET®

Overview Active Products

Active Chassis

- Allows for a high density, fully integrated rack mount RF Management system
- Accepts active, passive and filter modules
- Hot-swappable, plug-in power supplies and amplifier modules eliminates requirements for additional power distribution bars or cables
- Can accommodate up to 18 passives modules or nine active modules

Remote Powered Active Chassis

- Accepts two independent 24 VDC power sources; fused and diode isolated inputs
- Accepts active, passive and filter modules
- Contacts open on loss of 24 VDC
- Rear power indication LED

Amplifiers

- Hot-swappable amplifiers in a variety of technology offerings: GaAs PD, Si PP/PD and GaAs IC
- Variety of amplifiers for any application: forward combining, forward dual hybrid, high gain, QAM narrowcast, and return applications
- Front access test point(s)
- Removable front cover allows access to plug-in pads, EQs and filters while unit is installed in the chassis
- Front panel LED power indicator
- F and BNC connector and terminator options
- Predetermined unused ports can be terminated at factory



Patented
U.S.# 6,842,348;
Cdn.# 2,404,844

5RU Active RF Chassis
(front view)

D3.1/CCAP™
Compliant



MN3 3RU Passive Chassis
(front view)



MN5BAR
Remote Powered
Active Chassis
(rear close-up view)



MN5B Standard Chassis
(front view)



Amplifier

Power Supplies

- 24V, 3.6 A hot-swappable, plug-in power supplies; typically power up to eight MAXNET® amplifier modules
- 110/220 VAC or - 48V with redundancy capabilities
- 24V output on rear of power supplies facilitates daisy chain powering of other MAXNET chassis
- Redundant remote powering unit (+24 VDC)
- Remote powering unit facilitates daisy chain chassis powering or chassis powering from independent power supply sources
- Front panel LED power indicator
- Front voltage test point
- Form "C" relay contact indicates power failure



RF Detector/Switch

- Allows for redundant configuration of RF amplifiers or operates as an RF Detector A/B Switch
- Switch status indicated via front panel LED and rear terminal block relay contact
- Front panel bar graph display provides indication of RF power level as well as switch threshold level
- Optimized isolation between primary and secondary paths (>70 dB to 1 GHz)
- Optimized switch time (<10ms)
- Minimized insertion loss (<2 dB to 1 GHz)



Dual A/B Switch

- Two A/B switches in one module
- Local and remote switching capabilities
- Switch status indicated via front panel LED and rear terminal block relay contact
- Optimized isolation (>58 dB to 1 GHz)
- Minimized insertion loss (0.8 dB at 1 GHz)



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Rev. 10/19 (ANW0534)



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