



# 1:N REDUNDANT AMPLIFIER/SLOPE EQUALIZER SYSTEMS



## FEATURES

- Fault tolerant design
- Redundant power supplies
- Remote monitor and control
- Amplifier module current fault detection
- Front panel module bias display
- Automatic/manual mode
- Time stamped event history
- Field expandable architecture
- Continuous operation during fault repair or maintenance
- Rear panel switch and amplifier access

## OPTIONS

- Ethernet interface
- High gain
- Increased output power
- 50 ohm IF impedance

The 1:N Redundant Amplifier Unit (RAUN) is designed to compensate for system slope and amplitude variations due to long cable run losses. Each amplifier module offers independent gain and slope adjustment over the specified frequency bands.

The RAUN has two operating modes, manual and automatic mode. It can be controlled from the front panel or through the remote interface. With the amplifier unit in auto mode, a fault condition in a primary module would generate an automatic switch over to the backup module.

The RAUN is configured with one amplifier channel and is capable of up to a total of eight channels.

The RAUN is equipped with fully redundant power supplies.

## OPTIONS

1. Optional configurations.
  - 1-2. Two channels.
  - 1-3. Three channels.
  - 1-4. Four channels.
  - 1-5. Five channels.
  - 1-6. Six channels.
  - 1-7. Seven channels.
  - 1-8. Eight channels.
  
11. Increased output power (L-band).  
Power output (1 dB compression): +20 dBm minimum (at maximum gain and 0 dB slope).  
Third-order intercept point: +30 dBm minimum (at maximum gain and 0 dB slope).  
Output return loss: 14 dB minimum  
  
Increased output power (IF-band).  
Power output (1 dB compression): +20 dBm minimum (at maximum gain and 5 dB slope).  
Third-order intercept point: +30 dBm minimum (at maximum gain and 5 dB slope).
  
15. Impedance, 50 ohms (IF-band only).
  
16. Increased gain, 30 dB minimum (at center frequency and 5 dB slope adjustment).
  
- 17H. Remote control, 10/100Base-T Ethernet interface providing:  
Web-browser-based configuration, SNMP 1.0 configuration, alarm reporting via SNMP trap,  
telnet access, password protection.

Note: Missing option numbers are not applicable to this product.

## REAR PANEL VIEW

