

FEATURES

- Commercial Wireless 800/900 MHz band
- Optimized performance for different modulation formats
- Ethernet Network interface for command and status
- 16 GPIO ports
- +28 VDC power input
- Optional integrated DC-DC supply supports +12 to +32 VDC power input
- Power down sleep mode
- Low voltage operation
- Gain control
- VSWR protection and alarm
- Compact package design
- Thermal management temperature monitor and alarm
- Flexible mounting features

NDR120

Network Definable Power Amplifier



DESCRIPTION

The NDR120 is a linear power amplifier intended for use in the commercial 800/900 MHz band. The amplifier supports typical commercial base station modulation formats including CW, GSM, EGSM, CDMA, WCDMA, UMTS and LTE. The design includes analog predistortion to optimize performance. The amplifier can be both monitored (for status) and controlled over a network via its Ethernet interface.

The NDR120 is capable of providing up to 50 Watts RF power at the antenna port. It also provides 16 user I/O ports that can be used to control and monitor (via the Ethernet interface) additional system level components. The amplifier is powered from an external +28 VDC (nominal) power input. The NDR120 is also available with an optional integrated DC-DC converter to support a wider range DC power input. Additional features include low voltage operation, power down sleep mode, VSWR protection including alarm, gain control and thermal management including temperature sensor and alarm.