Rack configuration for Uplink/Downlink Head End equipment in a typical In-Building communications system.

Applied Micro Design, Inc. (AMDI) is a veteran-owned engineering company, incorporated in the State of Maryland, conveniently located in the Montgomery County Technology Corridor. AMDI provides product and services to both government and private industry. Our staff has expertise in the hardware and firmware design of microprocessor-based systems, RF circuit design, analog and digital design, and computer applications programming. All work is done in-house, at our ISO 9001:2008 registered facility.

We design, develop, and manufacture high-performance, cost-effective hardware and software solutions ranging from in-building communications (tunnels & office buildings), autopilots for small Unmanned Aerial Vehicles, battle proven tactical radios (video transmitters and receivers), to animal tracking collars for birds and beasts alike.

For over twenty years AMDI staff has delivered high quality products and services.

In-Building Communications

Analog Channelized Bi-Directional Amplifiers
DSP Channelized Bi-Directional Amplifiers
Power Amplifiers
Low Noise Amplifiers
Passive Components (Splitters and Combiners)

Hardware Design
Electrical Design
Mechanical Design
Hardware Assembly
Turnkey Engineering Solutions
Military Products

Narrow-Band Command/Telemetry Links
Analog Video Transmitters and Receivers
Digital Video Transmitters and Receivers
Remote Control Target Vehicles

Distributed by:

Coastal Defense Inc.

---

Wildlife Management Products

VHF Tags and Receivers
Data Loggers
Satellite Tracking Collars (Globalstar, Argos, Iridium)
Cellular Tracking Collars
Trap Alarms

Distributed by:

Northstar

---

Low-Power L, S, C bands
Analog Video Transmitter

MVR-IV Multi-band
Analog Video Receiver

MVR-VI Multi-band
Digital + Analog Video Receiver

High-Power L, S, C bands
Analog Video Transmitter

GPS Avian Data Logger
GPS Data Logging Pod

Trap Alarm
Satellite Tracking Collar