PDNA 120

Main Features

- Annapurna AL312 dual-core 1.7GHz CPU bases on ARM Cortex™-A15
- On-board 1GBytes SLC NAND flash
- On-board 1GBytes 64-bit DDR3 and 8-bit ECC
- Using two 2.5G SGMII to provide higher bandwidth connection between CPU and Etheret switch
- Support up to two PCIe Wi-Fi modules for 3x3 11n/11ac dual-band concurrent
- Three antennas could support dual-band Wi-Fi
- Support VDSL2 up to 17a profile

Specifications

CPU
- Annapurna AL312 dual-core 1.7GHz CPU base on ARM® Cortex™ -A15
- Integrate 2MB L2 cache
- Integrate ARM® NEON™ v2 for floating point and video processing

Memory
- On-board 1GBytes SLC NAND flash
- On-board 1GBytes 64-bit DDR3 and 8-bit ECC

Ethernet
- One 1GbE copper WAN (RJ45)
- One 1GbE copper DMZ (RJ45)
- Six 1GbE copper LAN (RJ45)

Other I/Os
- One USB 3.0 host
- One Micro SD card reader with protective cover
- One RJ45 console supports to connect with serial modem for remote management
- One mini-USB console. Driver can be automatically installed from Microsoft support site

Indicators and Buttons
- LEDs for power, alert, WAN, DMZ, LAN, USB, SD card Internet, VDSL and Wi-Fi
- One reset to default button
- One system reboot button

Wi-Fi
- Two PCIe slots for two Wi-Fi modules.
- Diplexer design for 3x3 dual-band concurrent by three RP-SMA antennas

VDSL2
- One RJ11 connector for VDSL2
- Support both Annex A and Annex B
- Support up to 17a profile

HW Monitor
- Support HW monitor features via two thermocouples and ten voltages sensors

Power Adapter
- External desktop power adapter
  - Power input: 100V~240VAC

Dimension
- 210 x 200.5 x 42.5 mm

Weight
- 2 kg

Environment
- Operation temperature: 0~40 degree C
- Storage temperature: -20~80 degree C
- Humidity: 10 to 90% (non-condensing)

Certifications
- FCC class B
- UL
- CE/CB