

PUZZLE-M901



Features

- Marvell CN9130 quad-core ARMv8 cortex-A72 @ up to 2200 MHz
- Six 2.5 GbE RJ-45 ports
- Onboard 4 GB eMMC, one console port (pin-header)
- LED indicators: Status/Power & WAN/LAN interface indicator
- Pre-installed OpenWrt
- Support M.2 2242 M key (PCIe Gen 3 x2)

Specifications

| | | PUZZLE-M901 |
|----------------------------|-----------------------------|---|
| Form Factor | Desktop | Desktop |
| | CPU | Marvell® CN9130 quad-core ARMv8 Cortex-A72 @ up to 2200 MHz |
| Memory | System Memory | 4GB |
| | Flash Memory | 64GB |
| Networking | Ethernet IC | Aquantia AQR112R |
| | | Aquantia AQR112C |
| | | Aquantia AQR112 |
| | Ethernet Port | 1 x 2.5GbE LAN integrated in CPU via PHY Aquantia AQR112R |
| | | 1 x 2.5GbE LAN integrated in CPU via PHY Aquantia AQR112C |
| | | 1 x 2.5GbE LAN integrated in CPU via PHY Aquantia AQR112 |
| Expansion slot | M.2 | 1 x 2.5GbE LAN via Marvell 88F8215 (PHY: Aquantia AQR112R) |
| | | 1 x 2.5GbE LAN via Marvell 88F8215 (PHY: Aquantia AQR112C) |
| | | 1 x 2.5GbE LAN via Marvell 88F8215 (PHY: Aquantia AQR112) |
| Storage | eMMC | 1 x 4GB eMMC |
| External I/O | USB | USB 3.2 Gen 1 (5Gb/s) |
| Power and Mechanical | Reset Button | 1 x Reset to factory default |
| | System Cooling | Active fan |
| Physical and Environmental | Storage Temperature | -20°C ~ 75°C (-4°F ~ 167°F) |
| | Operating Temperature | 0°C ~ 40°C (32°F ~ 104°F) |
| | Relative Humidity | 5% ~ 95% non-condensing, wet bulb: 27°C |
| | Dimensions (W x L x H) (mm) | 166.4 x 145.7 x 34 |
| OS and Certifications | Certification | CE/FCC/BSMI (BSMI safety)/VCCI, LVD |
| | Operating System | OpenWrt |
| | Forum | OpenWrt forum |
| | FAQ | OpenWr FAQ |
| Indicators | LED Indicators | Status/Power, WAN/LAN interface indicator |
| | System Warning | Beep |

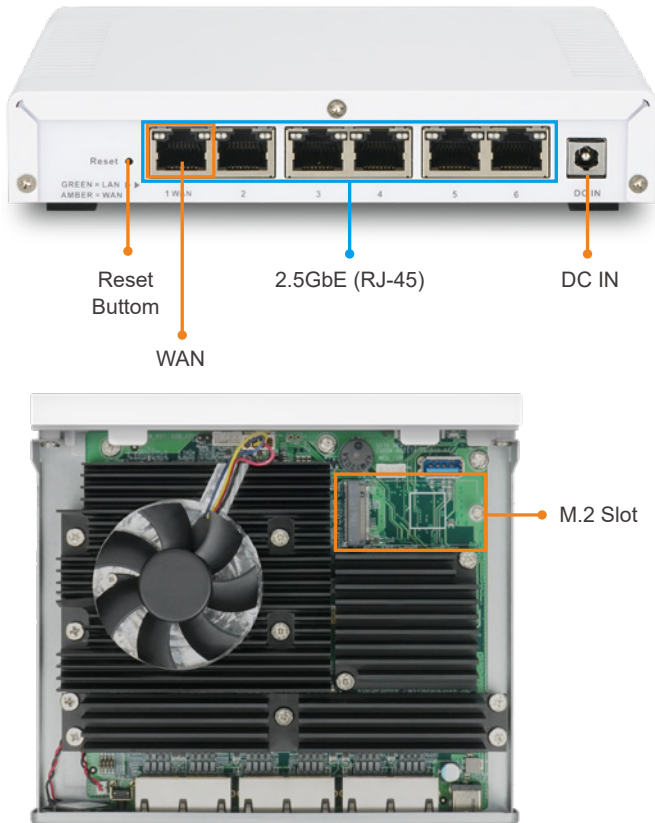
Ordering Information

| Part No. | Description |
|---------------------|--|
| PUZZLE-M901-CN1-R10 | Desktop network appliance with Marvell CN9130 processor, six 2.5GbE, on-board 4GB eMMC, one M.2 slot, RoHS |

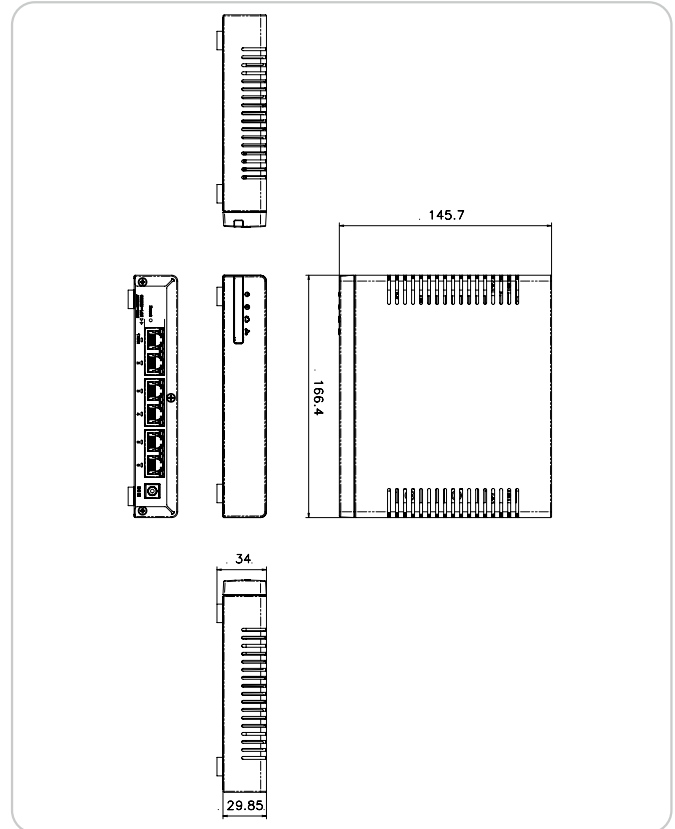
Packing List

| PUZZLE-M901-CN1-R10 | |
|---------------------|---|
| Power cord | 1 |
| Power adapter | 1 |

IO Interface



Dimensions (Unit: mm)



PUZZLE-M901 System Block Diagram

