



APM CO., LTD.

AAP-4G-900

4G CAT6 LTE Router with PoE



The AAP-4G-900 Series 4G LTE Outdoor Router employs LTE — the latest mobile broadband technology with high popularity — to deliver the best data rates possible at up to 300/50 Mbps(DL/UL). With bridge and router modes embedded, the AAP-4G-900 Series is adaptive to all kinds of devices/gateways for seamless integration with your CPE on-hand in a simple yet complete way to meet your needs.

Main Features

- Passive PoE 4G Hub 1 port PoE In, 2 ports PoE out
- Support 4G LTE Cat6
- Built in 4G LTE modem
- Built-in Standard Sim Slot
- Support Passive PoE 12Vdc input
- 1X 10/100 Passive 12Vdc PoE input
- 1X 10/100 Passive 12vdc PoE output
- Come with PoE Splitter for IP camera

Antennas

- 4G MIMO 2x2/4x2
- 3dBi internal antennas

Management

- Web Interface Management
- Remotely configuration/Upgrade by Web UI
- Support TR-69
- 1 Reset button for load default ID/Password



APM CO., LTD.

Specifications:

Main Chip	Realtek RTL 8187FH FLASH: 4MB 4G Module: Mini PCIE Cat6
Antennas	3 dBi Omni 4G Antenna x2 (4G MIMO 2x2/4x2)
Physical Interface	LAN1: 1x 12vdc 10/100mbps Passive PoE In LAN2: 1x 12vdc 10/100mbps Passive PoE Out LAN3: 1x 12vdc 10/100mbps Passive PoE Out Standard SIM card Slot x1
Power Consumption	24 Watts (Maximum)
Power requirement:	Passive PoE (DC 12V 2.0A) input
Operation Temperature	-20°C ~ 70°C
Storage Temperature	-30°C ~ 80°C ambient temperature
Storage Humidity	0% ~ 90% (Typical)
3G/4G Frequency Band	AAP-4G-900-06E 4G LTE-FDD: B1/B3/B5/B7/B8/B20/B28/B32 4G LTE-TDD: B38/B40/B41 2xCA: B1+B1/B5/B8/B20/B28 B3+B3/B5/B7/B8/B20/B28 B7+B5/B7/B8/B20/B28 B20+B32 B38+B38 B40+B40 B41+B41 3G WCDMA: B1/B3/B5/B8 AAP-4G-900-06A 4G LTE-FDD: B2/B4/B5/B7/B12/B13/B25/B26/B29/B30/B66 2xCA: B2+B2/B5/B12/B13/B29 B4+B4/B5/B12/B13/B29 B7+B5/B7/B12/B26 B25+B5/B12/B25/B26 B30+B5/B12/B29 B66+B5/B12/B13/B29/B66 3G WCDMA: B2/B4/B5



APM CO., LTD.

3G/4G Data Rate	2CA LTE: Max 300Mbps (DL)/Max 50Mbps (UL) LTE: Max 150Mbps (DL)/Max 30Mbps (UL) DC-HSDPA: Max 42Mbps (DL) HSUPA: Max 5.76Mbps (UL) WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL) EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL) GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
3G/4G Output Power	Class 3 (24dBm+1/-3dB) for WCDMA bands Class 3 (23dBm±2dB) for LTE-FDD bands Class 3 (23dBm±2dB) for LTE-TDD bands Class 4 (33dBm±2dB) for GSM850 Class 4 (33dBm±2dB) for EGSM900 Class 1 (30dBm±2dB) for DCS1800 Class 1 (30dBm±2dB) for PCS1900 Class E2 (27dBm±3dB) for GSM850 8-PSK Class E2 (27dBm±3dB) for EGSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 8-PSK Class E2 (26dBm±3dB) for PCS1900 8-PSK
3G/4G Receive Sensitivity:	LTE B1: -101.5dBm (10M) LTE B2: -101dBm (10M) LTE B3: -101.5dBm (10M) LTE B4: -101dBm (10M) LTE B5: -101dBm (10M) LTE B7: -99.5dBm (10M) LTE B8: -101dBm (10M) LTE B18: -100dBm (10M) LTE B19: -100dBm (10M) LTE B26: -102dBm (10M) LTE B28: -102dBm (10M) LTE B40: -100dBm (10M) LTE B41: -100dBm (10M) LTE B66: -98dBm (10M) WCDMA B1: -110dBm WCDMA B2: -110dBm WCDMA B4: -110dBm WCDMA B5: -110.5dBm WCDMA B8: -110.5dBm WCDMA B19: -110.5dBm



APM CO., LTD.

	GSM850: -109dBm EGSM900: -109dBm DCS1800: -109dBm PCS1900: -109dBm
--	---