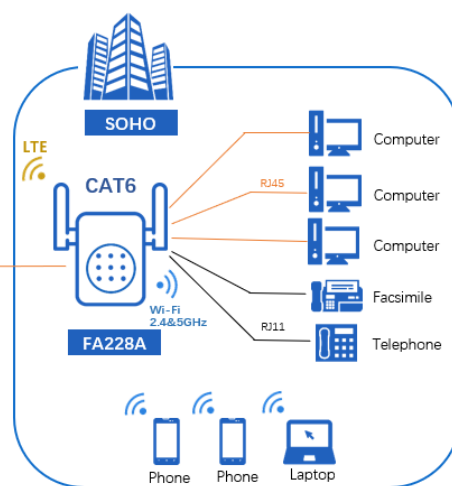
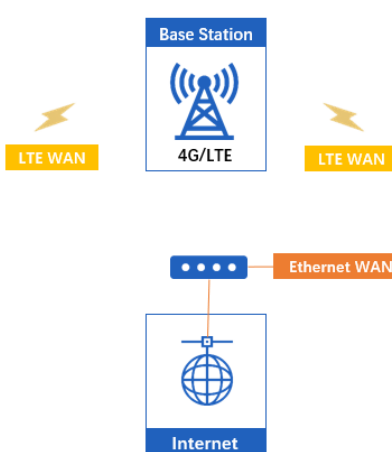


Scenario1-Home
FA225A



Scenario2-SOHO
FA228A

Features & Specification

Supported Frequency Bands

- Supported standards: (3GPP Release 11)
LTE, DC-HSPA, HSPA+, HSPA, HSUPA, WCDMA, etc.
- Support global mainstream frequency bands: (depends on configured sub-models)
LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32
LTE TDD: B38/B40/B41
2×CA: 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
WCDMA: B2/B4/B5
- CAT6:
DL data rate 300Mbps/s
UL data rate 50Mbps/s

LTE Antennas

- External 2*2 LTE antennas
- Gain: ≥3dBi
- VSWR: < 3.5
- Efficiency: ≥-4 dB@700 MHz~960 MHz
≥-3.5dB@1710 MHz~2690 MHz

Wi-Fi Antennas

- Internal 2.4GHz/5GHz dual bands antennas
- 2.4GHz gain: ≥3dBi
- 2.4GHz VSWR: < 2
- 2.4GHz efficiency: ≥-3 dB
- 5GHz gain: ≥3dBi
- 5GHz VSWR: < 2
- 5GHz efficiency: ≥-3 dB

Network Protocols and Features

- Connection modes: PPPoE/DHCP/Static
- IPv4, IPv6, IPv4/IPv6
- DHCP v4/v6 server
- Static (v4/v6) routing and RIP-1/2
- NAT/ALG/DMZ/virtual server
- ARP/ICMP/DNS proxy
- Dynamic Domain Name System (DDNS)
- IGMP snooping and IGMP proxy
- MLD snooping and MLD proxy
- RIPng
- SNTP
- VLAN

Operation Modes

- Bridge or Routed
- Mixed mode

Firewall

- Built-in NAT firewall
- Firewall level setting
- Defense of DoS, ARP attacks, port scan
- DHCP/ARP/IGMP message suppression
- MAC/URL filtering
- Inflow/outflow filtering of IP/Protocol/Port

Quality of Service Control

- 802.11e WMM
- Classification of service flow
- DSRP/20.1 p
- SF and WRR mode
- 8 priority queues
- Port/VLAN/ IP rate limitation

Wireless LAN

- Support 802.11 a/b/g/n/ac standards
- 2.4 & 5 GHz frequency range
- 20/40/80MHz bandwidth
- Channel adaption
- MSSID (8) +Guest network
- Wireless power saving: adaptable power control
- WPS: PBC/PIN modes
- WEP/WPA-PSK/WPA2-PSK security
- AP/SSID Isolation
- SSID and WAN binding
- MSSID online list

VoIP

- SIP/IMS SIP protocol
- Call forwarding
- Number hiding
- Conference
- Call waiting and call holding
- Digital map

SMS

- Short message sending and receiving
- Support extra-long message
- 100 message storage

Management

- WebUI local management
- TR069 remote management
- Universal Plug and Play (UPnP)
- Online and local software update/rollback
- Configuration data upload and download
- Syslog monitoring
- Local and remote diagnostic

Hardware Specification

Physical Interface

- WAN/LAN ports-RJ45
FA225A 2*GE/FA228A 4*GE
- Phone ports-RJ11
FA225A 1*FXS/FA228A 2*FXS
- SIM slot
- Power port
- USB2.0

Button

- Wi-Fi Button
- WPS Button
- Reset Button

LED indicators

- Phone indicator
- WPS indicator
- 2.4GHz Wi-Fi indicator
- 5GHz Wi-Fi indicator
- LAN indicator
- Internet indicator
- System indicator
- LTE indicator
- Power indicator

Physical specification (without antennas)

- FA225A Dimension: L112mm*H172mm*W45mm
- FA228A Dimension: L145mm*H220mm*W58mm
- FA225A Weight: 257.9g
- FA228A Weight: 433.8g

Temperature Requirements

- Operating: -10°C~55°C
- Storage: -40°C~70°C
- Humidity: 0%~95%