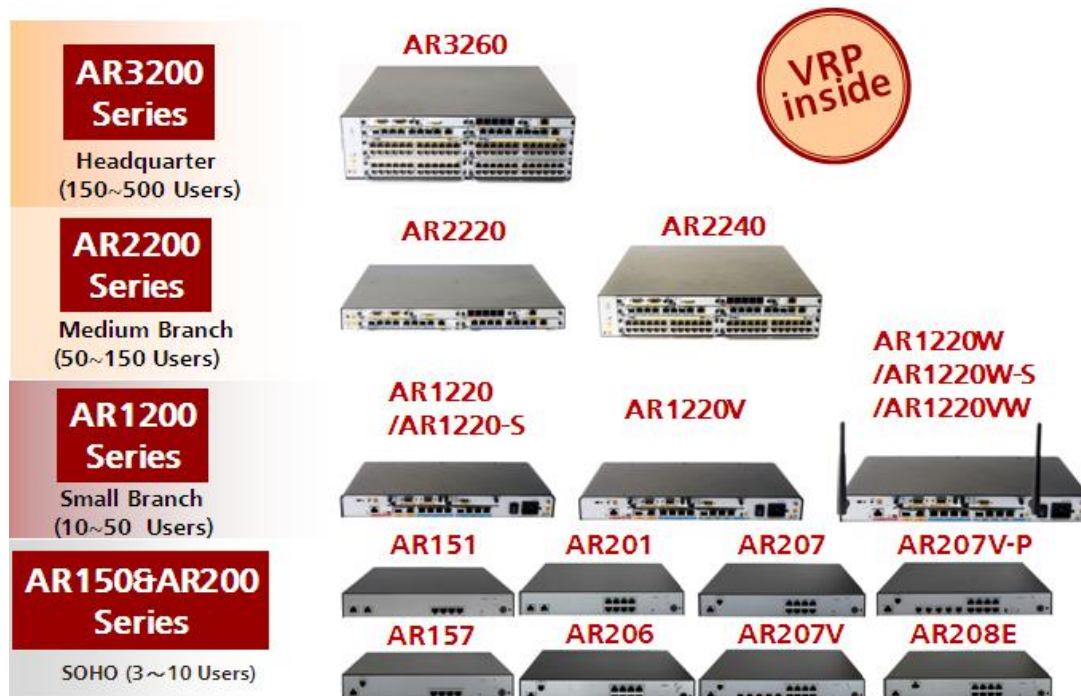


AR G3 Series Enterprise Routers

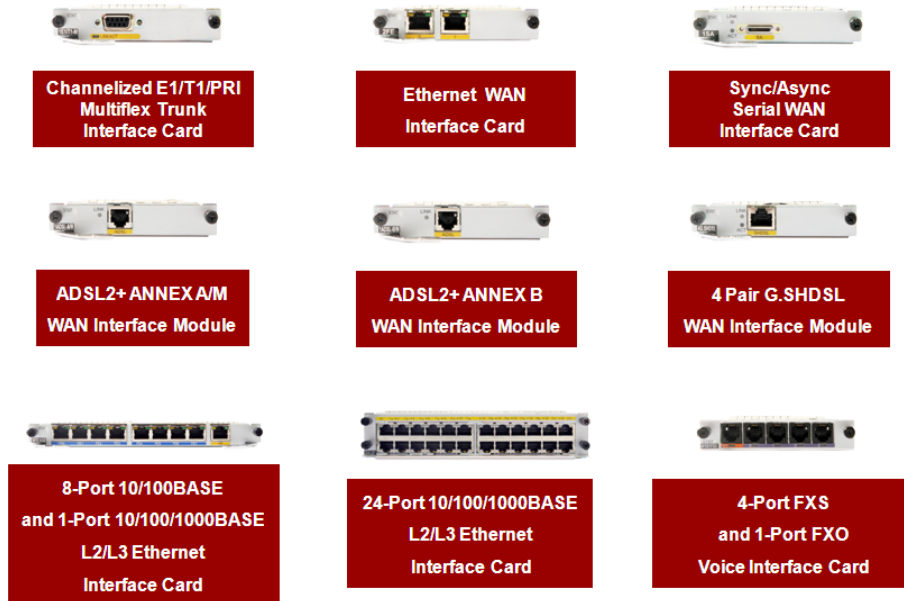
Huawei AR G3 series enterprise routers (AR G3) are next-generation routers dedicated for enterprise customers. Based on Huawei's proprietary Versatile Routing Platform (VRP), the AR G3 takes advantages of Huawei's long-term accumulation in data communication, wireless, access network, and core network fields. The AR G3 integrates routing, switching, 3G, WLAN, voice, and security functions, uses the multi-core CPU and non-blocking switching structure, and provides industry-leading system performance and extensibility, which meets customers' requirements for diversified service development. As an integrated solution for enterprise networks, the AR G3 speeds up multi-service development while protecting existing investments.



**Note: -S model is for distribution market.

The AR G3 supports various interface cards, including Ethernet interface cards, E1/T1/PRI/VE1/VT1 interface cards, synchronous/asynchronous interface cards, ADSL2+/G.SHDSL interface cards, FXS/FXO voice cards, ISDN interface cards and EPON/GPON interface cards. Depending on the slot type, these cards are classified into Smart Interface Cards (SICs), Double-Width SICs (WSICs), and Double-Height SICs (XSICs).

The following figures show the appearances of main interface cards.



Product Features

3rd Generation and High Performance



- Multi-core CPU and distributed service processing to double the performance than other products in the industry
- A switching capacity of 160 Gbit/s to ensure non-blocking service operation
- Excellent quality and high reliability

2-mode Network and Flexible Access



- Seamless integration of wired and 3G (wireless) networks
- 24-port gigabit Ethernet board card
- Large bandwidth and highly reliable PON access

All-in-1 and More Benefits



- Unified office (unified communication, MMS gateway, enterprise switchboard, and antivirus)
- Open Service Platform (OSP) for cooperation with partners
- Unified and mature VRP platform

Typical Applications



AR G3 Series Enterprise Routers



The AR G3 is creatively designed to provide an all-in-one access solution for enterprise and industry customers.

Technical Specifications

The following table lists the technical specifications of AR1200&AR2200&AR3200 Series routers.

Item	AR1220 /AR1220-S	AR1220V /1220VW	AR1220W /AR1220W-S	AR2220	AR2240	AR3260
Forwarding performance	450 Kpps	450 Kpps	450 Kpps	1 Mpps	2 Mpps (With SRU40) 3.5 Mpps (With SRU80)	2 Mpps (With SRU40) 3.5 Mpps (With SRU80)
Forwarding performance (with services)	200 Mbps	200 Mbps	200 Mbps	400 Mbps	600 Mbps(With SRU40) 1800 Mbps(With SRU80)	600 Mbps(With SRU40) 1800 Mbps(With SRU80)
Switching capacity	8 Gbps	8 Gbps	8 Gbps	32 Gbps	80 Gbps	160 Gbps
Fixed Ethernet ports	2 GE 8 FE	2 GE 8 FE(4 FE support PoE)	2 GE 8 FE(4 FE support PoE)	3 GE (1 Combo)	3 GE (2 Combo)	3 GE (2 Combo)



SIC slots	2	2	2	4	4	4
WSIC slots (default/max **)	0/1	0/1	0/1	2/4	2/4	2/4
XSIC slots (default/max **)	0/1	0/1	0/1	0/2	2/4	4/6
DSP	-	32 channels DSP	-	1 DSP Slot	3 DSP Slots	3 DSP Slots
USB 2.0 ports	2					
Memory	512 MB	512 MB	512 MB	2 GB	2 GB	2 GB
Flash	256 MB	256 MB	256 MB	16 MB	16 MB	16 MB
Micro SD (default/max)	-	-	-	2 GB/4 GB	2 GB/4 GB	2 GB/4 GB
Max. power	54 W	54 W	54 W	150 W	350 W (Single Power Module)/700 W (Dual Power Module)	350 W (Single Power Module)/700 W (Dual Power Module)
AC power	100 V-240 V; Frequency: 50 Hz/60 Hz					
DC Power	-	-	-	-48 V~-60 V		
Dimensions (W x D x H)	390 mm x 220 mm x 44.5 mm	390 mm x 220 mm x 44.5 mm	390 mm x 220 mm x 44.5 mm	442 mm x 420 mm x 44.5 mm	442 mm x 470 mm x 88.1 mm	442 mm x 470 mm x 130.5 mm
Ambient temperature	0 - 40°C					
Relative humidity	5 - 90% (non-condensing)					
WAN interfaces	Ethernet, CE1/CT1, E1/T1, ADSL2+, G.SHDSL, Sync/Async Serial, ISDN, CPOS					
LAN	IEEE 802.1P, IEEE 802.1Q, IEEE 802.3, VLAN management, MAC address management, MSTP					
Basic feature	DHCP server/client, PPPoE server/client, PPPoA client, PPPoEoA client, NAT, Sub interface management					



Voice	RTP, SIP, SIP AG, IP PBX/TDM PBX, FXO/FXS, VoIP/Conference call
WLAN	AP management, WLAN QoS (WMM), WLAN security (WEP/WPA/WPA2/key management), WLAN radio management (802.11b/g/n), WLAN user management
3G	CDMA 2000 EV-DO Rev A, WCDMA, TD-SCDMA, individual 3G uplink/backup link
IPv4 unicast routing	Routing policy, static route, RIP, OSPF, IS-IS, BGP(not supported on –S model)
IPv6 unicast routing	Routing policy, static route, RIPng, OSPFv3, IS-ISv6, BGP4+(not supported on –S model)
Multicast	IGMP V1/V2/V3, IGMP-Snooping V1/V2/V3, PIM SM, PIM DM, MSDP
MPLS	LDP, MPLS L3 VPN, static LSP, dynamic LSP(all MPLS features are not supported on –S model)
VPN	IPSec VPN, GRE VPN, DSVPN, SSL VPN, L2TP VPN
QoS	Diffserv mode, MPLS QoS(not supported on –S model), priority mapping, traffic policing (CAR), traffic shaping, congestion avoidance (based on IP precedence/DSCP WRED), congestion management (LAN interface: SP/WRR/SP+WRR; WAN interface: PQ/CBWFQ), MQC (traffic classifier, traffic behavior, and traffic policy), H-QoS, WLAN QoS, FR QoS
Security	ACL, firewall, 802.1x authentication, MAC address authentication(not supported on AR1200 series), Web authentication(not supported on AR1200 series), AAA authentication, RADIUS authentication, HWTACACS authentication, broadcast storm suppression, ARP security, ICMP attack defense, URPF, IP Source Guard(not supported on AR1200 series), DHCP snooping(not supported on AR1200 series), CPCAR, blacklist, IP source tracing
Management and maintenance	Upgrade management, device management, GTL, SNMP(v1/v2c/v3), RMON, NTP, CWMP, Auto-Config, deployment using USB disk, NetConf, CLI

Note: The maximum number of slots contains the number of all combined slots.

The following table lists the technical specifications of AR150&AR200 Series routers.

Item	AR201/AR151	AR206	AR207/AR157	AR207V	AR207V-P	AR208E
Forwarding performance	450 Kpps/300 Kpps	450 Kpps	450 Kpps/300 Kpps	450 Kpps	450 Kpps	450 Kpps
Forwarding performance (with services)	150 Mbps/100 Mbps	150 Mbps	150 Mbps/100 Mbps	150 Mbps	150 Mbps	150 Mbps
Fixed WAN ports	1 FE	1 ADSL2+ Annex B	1 ADSL2+ Annex A/M	1 ADSL2+ Annex A/M	1 ADSL2+ Annex A/M	1 G.SHDSL 8-wire
Fixed Ethernet switching ports	8 FE/4 FE	8 FE	8 FE/4 FE	8 FE	8 FE(8 FE support PoE)	8 FE
Fixed voice ports	-	-	-	4 FXS, 1 FXO	4 FXS, 1 FXO	-
USB 2.0 ports	1					
Serial auxiliary /console ports	1					
Memory size (default/maximum)	512 MB					
Flash memory (default/maximum)	512 MB					
Maximum power	24 W	24 W	24 W	36 W	36 W	24 W
Power supply (AC)	100 V to 240 V					
Frequency	50/60 Hz					

Item	AR201/AR151	AR206	AR207/AR157	AR207V	AR207V-P	AR208E
Dimensions (H x W x D)	44.5 mm x 300 mm x 220 mm (1.75 in. x 11.8 in. x 8.66 in.)					
Operating temperature	0°C to 40°C					
Relative humidity	5% to 90% (non-condensing)					
Basic feature	DHCP server/client, PPPoE server/client, PPPoA client, PPPoEoA client, NAT, Sub interface management					
Voice	RTP, SIP, SIP AG, IP PBX/TDM PBX, FXO/FXS, VoIP					
LAN	IEEE 802.1P, IEEE 802.1Q, IEEE 802.3, VLAN management, MAC address management, MSTP, etc.					
IPv4 unicast routing	Routing policy, static route, RIP, OSPF, IS-IS, BGP					
IPv6 unicast routing	Routing policy, static route, RIPng, OSPFv3, IS-ISv6, BGP4+					
Multicast	IGMP version1/2/3, PIM SM, PIM DM, MSDP					
	IGMP snooping version1/2/3					
VPN	IPSec VPN, GRE VPN, DSVPN(except AR150 series), SSL VPN(except AR150 series), L2TP VPN					
QoS	Diffserv mode, Priority mapping, traffic policing (CAR), traffic shaping, congestion avoidance (based on IP precedence/DSCP WRED), congestion management (LAN interface: SP/WRR/SP+WRR; WAN interface: PQ/CBWFQ), MQC (traffic classification, traffic behavior, and traffic policy), H-QoS					
Security	ACL, firewall, 802.1x authentication, AAA authentication, RADIUS authentication, HWTACACS authentication, broadcast storm suppression, ARP security, ICMP attack defense, URPF, CPCAR, blacklist, IP source tracing, PKI					
Management and maintenance	Upgrade management, device management, GTL, SNMP(v1/v2c/v3), RMON, NTP, CWMP, Auto-Config, site deployment using USB disk, NetConf, CLI					



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