

# AR6280 Datasheet



## Overview

[Huawei's next-generation NetEngine AR6000](#) series enterprise routers use high-performance multi-core processors and a nonblocking switching structure, helping to deliver higher forwarding performance than the industry average. The NetEngine AR6000 also integrates functions such as SD-WAN, routing, switching, VPN, security, and MPLS, ensuring diversified and cloud-based services are fully supported.

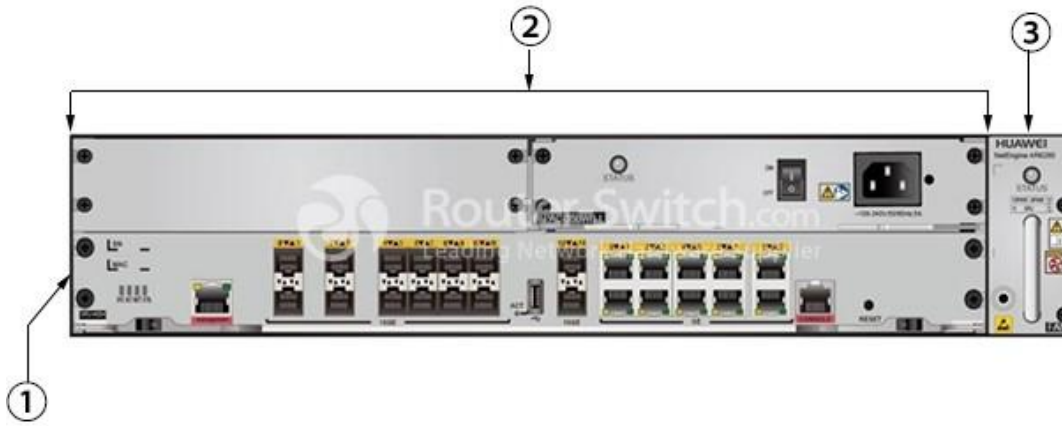
## Quick Specs

Table 1 shows the Quick Specs.

Product Code	AR6280
Processor	16-Core
Forwarding Performance (LAN - > WAN + WAN - > LAN, NAT + ACL + QoS, IMIX)	SRU-400H: 10 Gbps SRU-600H: 12 Gbps
IPsec performance (IMIX)	SRU-400H: 6 Gbps SRU-600H: 7.5 Gbps
Fixed WAN ports	SRU-400H: WAN: 14*10GE SFP+(compatible with GE SFP) + 10*GE RJ45 (All WAN ports can be configured as LAN) SRU-600H: WAN: 14*10GE SFP+(compatible with GE SFP) + 10*GE RJ45 (All WAN ports can be configured as LAN)
Fixed LAN ports	\
SIC slots	4
WSIC slots	2 (default)/4 (maximum)
XSIC slots	2(default)/4 (maximum)
USB port	1*USB2.0
Auxiliary or console port	1 x RJ45 console port
Memory	SRU-400H: 8 GB SRU-600H: 16 GB
Flash memory	SRU-400H: 2GB SRU-600H: 4GB
Hot swapping	Supported

## Product Details

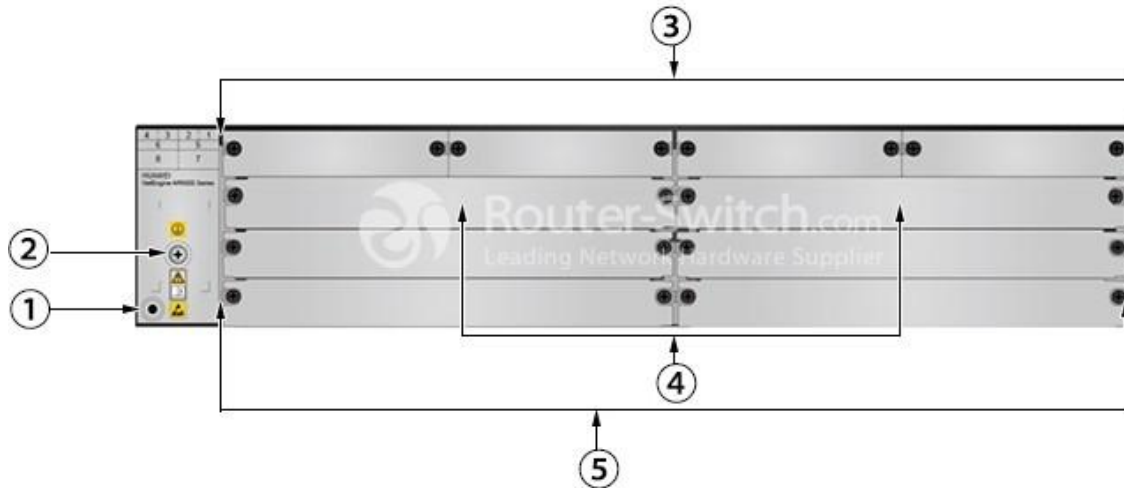
Figure 1 shows the front panel of Huawei AR6280.



Note:

(1)	Two SRU slots	(3)	Fan module slot
(2)	Two power module slots		

Figure 2 shows the back panel of Huawei AR6280.



Note:

(1)	ESD jack	(4)	Two WSIC slots
(2)	Ground point	(5)	Two XSIC slots
(3)	Four SIC slots		

## The Accessories

Table 2 shows the recommended elements for the AR6200 Series.

Models	Descriptions
PAC-350WB-L	350W AC Power Module
AR0MPSPDP3500	350W DC Power Module
PAC-700WB-L	700W AC Power Module
AR0MWMF9TT00	8-Port 100M-RJ45+1-Port 1000M-RJ45-L2/L3 Ethernet Electrical Interface Card
AR-9ES2-W	8 Port 100BASE-RJ45 and 1 Port 1000BASE- RJ45 L2 Ethernet Interface Card

AR0MXEGFTA00	24-Port 1000M-RJ45-L2/L3 Ethernet Electrical Interface Card
AR01WEG4SB	4-Port 1000BASE-SFP-L2 Ethernet Interface Card
AR-4ES2G-S	4-Port 1000BASE-RJ45 L2 Ethernet Interface Card
AR0MSEG1CA00	1-Port GE Combo WAN Interface Card
AR-4GECS-W	4-Port GE Combo WAN Interface Card
AR0MSEF2TA00	2-Port FE WAN Interface Card
AR0MWMF9TT00	8-Port 100M-RJ45+1-Port 1000M-RJ45-L2/L3 Ethernet Electrical Interface Card
AR-9ES2-W	8 Port 100BASE-RJ45 and 1 Port 1000BASE- RJ45 L2 Ethernet Interface Card
AR0MXEGFTA00	24-Port 1000M-RJ45-L2/L3 Ethernet Electrical Interface Card
AR01WEG4SB	4-Port 1000BASE-SFP-L2 Ethernet Interface Card
AR-4ES2G-S	4-Port 1000BASE-RJ45 L2 Ethernet Interface Card
AR0MSEG1CA00	1-Port GE Combo WAN Interface Card
AR-4GECS-W	4-Port GE Combo WAN Interface Card
AR0MSEF2TA00	2-Port FE WAN Interface Card
AR01WDFE4A	4-Port Fractional Channelized E1 WAN Interface Card
AR01WDFE8A	8-Port Fractional Channelized E1 WAN Interface Card
AR01WAE14A	4-Port E1 ATM IMA Interface Card
AR-1E3T3M-W	1-Port Channelized/Unchannelized E3/T3 WAN Interface Card
AR0MSDSA1A00	1-Port Synchronous/Asynchronous WAN Interface Card
AR0MSDSA2A00	2-Port Synchronous/Asynchronous WAN Interface Card
AR-8SA-W	8-port synchronous/asynchronous WAN interface card
AR0MWDAS8A01	8-Port-Asynchronous WAN Interface Card
AR01SDGW1A	3G WCDMA HSPA+7 Interface Card
AR-1LTE-L-S	WCDMA LTE Interface Card
AR-6EM-W	6-port E&M trunk interface card
AR-1CSTM1-W	1-Port 155M Channelized POS Optical Interface Card-WSIC
AR-1STM1-W	1-Port 155M Packet over SDH/Sonet Optical Interface Card
AR-1STM4-W	1-Port 622M Packet over SDH/Sonet Optical Interface Card
AR-4STM1-W	4-Port 155M Packet over SDH/SONET Optical Interface Card
AR0MSDS1XA00	1-Port ISDN S/T WAN Interface Card
AR0MSVS2XA00	2-Port ISDN S/T Voice Interface Module
AR0MSVA4B1A0	4-Port FXS and 1-Port FXO Voice Interface Card
AR01WVADXA	16-Port FXS Voice Interface Card
AR01WVAHXA	32-Port FXS Voice Interface Card
AR01SVB4XA	4-Port FXO Voice Interface Card

AR-1VE1-S	1-Port Voice E1 Interface Card
AR0MSLA1XA01	1-Port ADSL2+ ANNEX A/M WAN Interface Module
AR0MSLS1XA00	1-Port 4 Pair G.SHDSL WAN Interface Card
AR01SLV1XA	1-Port VDSL2 over POTS WAN Interface card
AR0MSOPP2A00	1-Port GPON/EPON Dual-Mode Interface Card
eSFP-FE-LX-SM1310	Optical Transceiver,eSFP,100M/155M,Single-mode Module(1310nm,15km,LC)
S-SFP-FE-LH40-SM1310	Optical Transceiver,eSFP,FE,Single-mode Module(1310nm,40km,LC)
S-SFP-FE-LH80-SM1550	Optical Transceiver,eSFP,FE,Single-mode Module(1550nm,80km,LC)
SFP-FE-LX-SM1310-BIDI	Optical Transceiver,eSFP,FE,BIDI Single-mode Module(TX1310/RX1550,15km,LC)
SFP-FE-LX-SM1550-BIDI	Optical Transceiver,eSFP,FE,BIDI Single-mode Module(TX1550/RX1310,15km,LC)
eSFP-GE-SX-MM850	Optical Transceiver,eSFP,GE,Multi-mode Module(850nm,0.55km,LC)
SFP-GE-LX-SM1310	Optical Transceiver,eSFP,GE,Single-mode Module(1310nm,10km,LC)
S-SFP-GE-LH40-SM1310	Optical Transceiver,eSFP,GE,Single-mode Module(1310nm,40km,LC)
S-SFP-GE-LH40-SM1550	Optical Transceiver,eSFP,GE,Single-mode Module(1550nm,40km,LC)
S-SFP-GE-LH80-SM1550	Optical Transceiver,eSFP,GE,Single-mode Module(1550nm,80km,LC)
SFP-GE-LX-SM1310-BIDI	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1310/RX1490,10km,LC)
SFP-GE-LX-SM1490-BIDI	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1490/RX1310,10km,LC)
LE2MGSC40DE0	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1310/RX1490,40km,LC)
LE2MGSC40ED0	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1490/RX1310,40km,LC)
OMXD30000	Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC)
OSX010000	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)
OSX040N01	Optical Transceiver,SFP+,10G,Single-mode Module(1550nm,40km,LC)

## Compare to Similar Items

Table 3 shows the comparison.

Product Code	AR6120	AR6140-9G-2AC	AR6280	AR6300
Processor	4-Core	4-Core	16-Core	16-Core
Forwarding Performance (LAN - > WAN + WAN - > LAN, NAT + ACL + QoS, IMIX)	2 Gbps	2 Gbps	SRU-400H: 10 Gbps SRU-600H: 12 Gbps	SRU-400H: 10 Gbps SRU-600H: 12 Gbps
IPsec performance (IMIX)	2 Gbps	2 Gbps	SRU-400H: 6 Gbps SRU-600H: 7.5 Gbps	SRU-400H: 6 Gbps SRU-600H: 7.5 Gbps
Fixed LAN ports	8 x GE RJ45 (can be configured as WAN)	2 x GE SFP + 3 x GE RJ45 (can be configured as WAN)	\	\

SIC slots	2	4	4	4
WSIC slots	0 (default)/1 (maximum)	0 (default)/2 (maximum)	2 (default)/4 (maximum)	2 (default)/4 (maximum)
XSIC slots	\	\	2(default)/4 (maximum)	4 (default)/6 (maximum)
USB port	1 x USB 3.0 (compatible with USB 2.0) + 1 x USB 2.0	1 x USB3.0 (compatible with USB 2.0)	1*USB2.0	1*USB2.0
Auxiliary or console port	1 x RJ45 console port	1 x RJ45 console port	1 x RJ45 console port	1 x RJ45 console port
Memory	2 GB	2 GB	SRU-400H: 8 GB SRU-600H: 16 GB	SRU-400H: 8 GB SRU-600H: 16 GB
Flash memory	1 GB/ 512MB	1 GB	SRU-400H: 2GB SRU-600H: 4GB	SRU-400H: 2GB SRU-600H: 4GB
Router dimensions, With no mounting bracket installed (H x W x D)	44.5mm × 390mm × 232.5mm	44.5 mm x 442 mm x 420 mm	88.1 mm x 442 mm x 470 mm	130.5 mm x 442 mm x 470 mm
Router dimensions, With mounting bracket installed (H x W x D)	44.5mm × 482.6mm × 232.5mm	44.5 mm x 482.6 mm x 572.5 mm	88.1 mm x 482.6 mm x 470 mm	130.5 mm x 482.6 mm x 470 mm

## Specification

<b>AR6280 Specification</b>	
<b>System Parameters</b>	
<b>Processor</b>	16-Core
<b>Forwarding Performance (LAN -&gt; WAN + WAN -&gt; LAN, NAT + ACL + QoS, IMIX)</b>	SRU-400H: 10 Gbps SRU-600H: 12 Gbps
<b>IPsec performance (IMIX)</b>	SRU-400H: 6 Gbps SRU-600H: 7.5 Gbps
<b>Fixed WAN ports</b>	SRU-400H: WAN: 14*10GE SFP+(compatible with GE SFP) +10*GE RJ45 (All WAN ports can be configured as LAN) SRU-600H: WAN: 14*10GE SFP+(compatible with GE SFP) +10*GE RJ45 (All WAN ports can be configured as LAN)
<b>Fixed LAN ports</b>	\
<b>SIC slots</b>	4
<b>WSIC slots</b>	2 (default)/4 (maximum)
<b>XSIC slots</b>	2(default)/4 (maximum)
<b>USB port</b>	1*USB2.0
<b>Auxiliary or console port</b>	1 x RJ45 console port
<b>Memory</b>	SRU-400H: 8 GB SRU-600H: 16 GB