

Guide to Select Cisco Network Edge Router

How to select and identify the right Cisco Network Edge router for your needs?

When you're upgrading an old Cisco router, just read and check a few simple questions below and get your results.									
Do you need an on-prem physical or cloud-based virtual router?	Do you need IPsec/MACsec? (Do you need crypto-based access security?)	How much encryption throughput (Gbps IMIX) do you need? (Select the IPsec or MACsec throughput needed for your new router.)	How much system throughput do you need? (Select the amount of Gbps needed for your new router.)	How many 10GE ports do you need?	Do you need redundant hardware (data and control planes)?	Do you need 40GE/100GE support?		Recommended Product	Alternative Product
		Up to 4 Gbps IPsec						Cisco ASR 1002-X	Cisco ASR 1001-X
Physical	Yes	Up to 5 Gbps IPsec						Cisco ASR 1001-X	_
		Up to 8 Gbps IPsec						Cisco ASR 1001-HX	Cisco ASR 1002-HX
		Up to 16 Gbps IPsec						Cisco ASR 1002-HX	Cisco ASR 1001-HX Cisco ASR 1006-X
		Up to 25 Gbps IPsec	_					Cisco ASR 1002-HX	Cisco ASR 1009-X
		Up to 59 Gbps IPsec						Cisco ASR 1009-X	Cisco ASR 1013
		Up to 20 Gbps MACsec						Cisco ASR 1001-X	_
		Up to 100 Gbps MACsec						Cisco ASR 1002-HX	Cisco ASR 1006-X
		Up to 200 Gbps MACsec						Cisco ASR 1009-X	Cisco ASR 1013
	No		Up to 2.5 Gbps					Cisco ASR 1001-X	_
			Up to 5 Gbps	_				Cisco ASR 1001-X	Cisco ASR 1002-X
			Up to 10 Gbps					Cisco ASR 1002-X	Cisco ASR 1001-X
			Up to 20 Gbps	3 or less	Yes	_		Cisco ASR 1006-X	Cisco ASR 1006
					No			Cisco ASR 1002-X	Cisco ASR 1001-X Cisco ASR 1004
				4 or more	Yes	_	Cisco ASR 1006-X	_	
					No			Cisco ASR 1001-HX	Cisco ASR 1002-HX
			Up to 36/40 Gbps	3 or less	Yes	_		Cisco ASR 1006-X	_
					No			Cisco ASR 1002-X	_
				4 or more	Yes	_		Cisco ASR 1006-X	_
					No	Yes		Cisco ASR 1002-HX	Cisco ASR 1006-X
						No		Cisco ASR 1001-HX	Cisco ASR 1002-HX
			Up to 60 Gbps	8 or less	Yes	_		Cisco ASR 1006-X	Cisco ASR 1009-X
					No	Yes		Cisco ASR 1002-HX	Cisco ASR 1006-X
						No		Cisco ASR 1001-HX	_
				9 or more	Yes	_		Cisco ASR 1006-X	Cisco ASR 1009-X
					No	_		Cisco ASR 1002-HX	_
			Up to 100 Gbps	18 or less				Cisco ASR 1002-HX	Cisco ASR 1006-X
				more than 18	than 18			Cisco ASR 1006-X	Cisco ASR 1009-X
				more than 10				5.550 Non 2000 N	Cisco ASR 1013
			Up to 200 Gbps					Cisco ASR 1009-X	Cisco ASR 1013
Virtual	_							Cisco Cloud Services Router 1000V	_
							Series		

Looking for other types of routers?

View more brand network routers, Cisco routers, Huawei Routers.

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