


## Model Comparison - Routers



	RM2101	RM2102	RM2114	RM2121	RM2139	RM2141	RM3121
<b>Appearance</b>							
<b>Switch Platform</b>	Cisco ESR6300	Cisco ESR6300 + Sierra Wireless RV50X	Cisco ESR6300	Cisco ESR6300	Cisco ESR6300 + Cisco ESS3300	Cisco ESR6300	Cisco ISR1101-4P
<b>Connector Type</b>	MIL	MIL	MIL	Industrial	Industrial	MIL	Industrial
<b>Software</b>	Cisco IOS-XE	Cisco IOS-XE	Cisco IOS-XE	Cisco IOS-XE	Cisco IOS-XE	Cisco IOS-XE	Cisco IOS-XE
	<b>Interfaces</b>						
<b>Ethernet Interfaces (Router Card)</b>	2x 1 Gbps WAN (38999) 4x 1 Gbps LAN (38999)	1x 1000Base-SX WAN (Falcon Mini) 1x 1000Base-T WAN (ODU) 3x 1000Base-SX LAN (Falcon Mini)	1x 1 Gbps WAN (38999) 1x 1 Gbps WAN (LC) 4x 1 Gbps LAN (38999)	2x 1 Gbps WAN (RJ45) 4x 1 Gbps LAN (RJ45)	2x 1 Gbps WAN (RJ45) 4x 1 Gbps LAN (RJ45)	1x 1000Base-SX WAN (Falcon Mini) 1x 1000Base-T WAN (ODU) 3x 1000Base-SX LAN (Falcon Mini) 1x 1000Base-T LAN (ODU)	1x 1 Gbps WAN (RJ45) 4x 1 Gbps LAN (RJ45)
<b>Ethernet Interfaces (Switch card)</b>	No switch module	No switch module	No switch module	No switch module	8x 1Gbps LAN with PoE (RJ45) 2x 1 Gbps LAN (RJ45)	-	No switch module
<b>Wireless</b>	-	2x LTE (TCN)	-	-	-	-	-
<b>Console</b>	1x Serial Console (ODU) 1x USB Console (ODU)	1x Cisco USB Console (ODU)	1x Serial Console (ODU)	1x Serial Console (RJ45) 1x USB Console (USB-B)	1x Serial Console Router (RJ45) 1x Serial Console Switch (RJ45)	1x USB Console (ODU)	1x USB Console (USB-B)
<b>USB</b>	1x USB 3 (ODU)	1x Sierra USB 2 (ODU)	-	1x USB 3 (USB-A)	1x USB 3 (USB-A)	-	1x USB 3 (USB-A)
<b>Serial</b>	-	1x Sierra Console (ODU)	-	-	-	-	-
<b>Power over Ethernet</b>	No	No	No	No	Yes	No	No
<b>Other</b>	-	2x SIM cards	-	-	-	Remote	-
	<b>Functionality</b>						
<b>Throughput Router</b>	50 Mbps to 2Gbps depending on license.	50 Mbps to 2Gbps depending on license.	50 Mbps to 2Gbps depending on license.	50 Mbps to 2Gbps depending on license.	50 Mbps to 2Gbps depending on license.	50 Mbps to 2Gbps depending on license.	No software limitations
<b>Throughput Router (encrypted)</b>	50 to 350+ Mbps depending on license.	50 to 350+ Mbps depending on license.	50 to 350+ Mbps depending on license.	50 to 350+ Mbps depending on license.	50 to 350+ Mbps depending on license.	50 to 350+ Mbps depending on license.	0 to 150 Mbps depending on license
<b>MGMT tools (optional)</b>	Yes (Cisco DNA, SD-WAN*, WEBUI, IOx)	Yes (Cisco DNA, SD-WAN*, WEBUI, IOx)	Yes (Cisco DNA, SD-WAN*, WEBUI, IOx)	Yes (Cisco DNA, SD-WAN*, WEBUI, IOx)	Yes (Cisco DNA, SD-WAN*, WEBUI, IOx)	Yes (Cisco DNA, SD-WAN*, WEBUI, IOx)	Yes (Cisco DNA, SD-WAN*, WEBUI, IOx)
<b>CME support (optional)</b>	Yes ( 48 phones)	Yes ( 48 phones)	Yes ( 48 phones)	Yes ( 48 phones)	Yes ( 48 phones)	Yes ( 48 phones)	Yes ( 50 phones)
	<b>Power</b>						
<b>Power</b>	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC	10-32V DC
<b>Power consumption (28V / RMS)</b>	Idle: 8W Typical: 14 W Max: 16 W	TBD	Idle: 8W Typical: 10W Max: 11W	Idle: 8W Typical: 14W Max: 16W	Idle: 24W Typical: 26W (no PoE) Max: 31W (150W w. PoE)	TBD	Idle: 7W Typical: 11W Max: 13W / (38W with heater)
<b>Power connector</b>	38999	38999	ITS (ITT Cannon)	38999	ITS (ITT Cannon)	38999	38999
	<b>Environmental</b>						
<b>IP rating</b>	IP65	IP65	IP65	IP65	IP65	IP65	IP65
<b>Standards</b>	MIL-STD-810H MIL-STD-461F MIL-STD-1275E	MIL-STD-810H MIL-STD-461F MIL-STD-1275D	MIL-STD-810H MIL-STD-461F MIL-STD-1275E	MIL-STD-810G MIL-STD-461F MIL-STD-1275D	MIL-STD-810G MIL-STD-461F MIL-STD-1275D	MIL-STD-810H MIL-STD-461F MIL-STD-1275D	MIL-STD-810G MIL-STD-461F MIL-STD-1275D
<b>Temperature (operational)</b>	-40°C to +65°C (-40°F to 149 °F)*	TBD	-40°C to +65°C (-40°F to 149 °F)*	-40°C to +65°C (-40°F to 149 °F)*	-40°C to +65°C (-40°F to 149 °F)*	TBD	TBD
<b>Dust caps</b>	Yes (only ODU connectors)	No	Optional	Yes	No (can be added as option)	No	No (can be added as option)
	<b>Dimensions</b>						
<b>Dimensions (WxDxH)</b>	220 x 225 x 44 mm (8.7 x 8.9 x 1.7 inches)	TBD	220 x 279 x 44 mm (8.7 x 11 x 1.7 inches)	220 x 225 x 44 mm (8.7 x 8.9 x 1.7 inches)	220 x 374 x 44 mm (8.7 x 14.8 x 1.7 inches)	TBD	220 x 360 x 44 mm (8.7 x 14.2 x 1.7 inches)
<b>Weight</b>	2 kg (4.4 lbs)	TBD	2.2 kg (4.9 lbs)	2 kg (4.4 lbs)	3.8 kg (8.4 lbs)	TBD	3 kg (6.6 lbs)