

## Model Comparison - Routers



|                                   | RM2101                                                                            | RM2102                                                                                          | RM2114                                                                            | RM2115                                                                              | RM2121                                                                              | RM2139                                                                              | RM2141                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Appearance                        |  |                |  |  |  |  |                                         |
| Switch Platform                   | Cisco ESR6300                                                                     | Cisco ESR6300 + Sierra Wireless RV50X                                                           | Cisco ESR6300                                                                     | Cisco ESR6300                                                                       | Cisco ESR6300                                                                       | Cisco ESR6300 + Cisco ESS3300                                                       | Cisco ESR6300                                                                                                              |
| Connector Type                    | MIL                                                                               | MIL                                                                                             | MIL                                                                               | MIL                                                                                 | Industrial                                                                          | Industrial                                                                          | MIL                                                                                                                        |
| Software                          | Cisco IOS-XE                                                                      | Cisco IOS-XE                                                                                    | Cisco IOS-XE                                                                      | Cisco IOS-XE                                                                        | Cisco IOS-XE                                                                        | Cisco IOS-XE                                                                        | Cisco IOS-XE                                                                                                               |
|                                   |                                                                                   |                                                                                                 |                                                                                   | <b>Interfaces</b>                                                                   |                                                                                     |                                                                                     |                                                                                                                            |
| Ethernet Interfaces (Router Card) | 2x 1 Gbps WAN (38999)<br>4x 1 Gbps LAN (38999)                                    | 1x 1000Base-SX WAN (Falcon Mini)<br>1x 1000Base-T WAN (ODU)<br>3x 1000Base-SX LAN (Falcon Mini) | 1x 1 Gbps WAN (38999)<br>1x 1 Gbps WAN (LC)<br>4x 1 Gbps LAN (38999)              | 1x 1 Gbps WAN (38999)<br>1x 100 Mbps WAN (LC)<br>4x 1 Gbps LAN (38999)              | 2x 1 Gbps WAN (RJ45)<br>4x 1 Gbps LAN (RJ45)                                        | 2x 1 Gbps WAN (RJ45)<br>4x 1 Gbps LAN (RJ45)                                        | 1x 1000Base-SX WAN (Falcon Mini)<br>1x 1000Base-T WAN (ODU)<br>3x 1000Base-SX LAN (Falcon Mini)<br>1x 1000Base-T LAN (ODU) |
| Ethernet Interfaces (Switch card) | No switch module                                                                  | No switch module                                                                                | No switch module                                                                  | No switch module                                                                    | No switch module                                                                    | 8x 1Gbps LAN with PoE (RJ45)<br>2x 1 Gbps LAN (RJ45)                                | No switch module                                                                                                           |
| Wireless                          | -                                                                                 | 2x LTE (TCN)                                                                                    | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                                                          |
| Console                           | 1x Serial Console (ODU)<br>1x USB Console (ODU)                                   | 1x USB Console (ODU) - IP Router                                                                | 1x Serial Console (ODU)                                                           | 1x Serial Console (ODU)                                                             | 1x Serial Console (RJ45)<br>1x USB Console (USB-B)                                  | 1x Serial Console Router (RJ45)<br>1x Serial Console Switch (RJ45)                  | 1x USB Console (ODU)                                                                                                       |
| USB                               | 1x USB 3 (ODU)                                                                    | 1x USB 2 (ODU) - LTE Router                                                                     | -                                                                                 | -                                                                                   | 1x USB 3 (USB-A)                                                                    | 1x USB 3 (USB-A)                                                                    | -                                                                                                                          |
| Serial                            | -                                                                                 | 1x Console (ODU) - LTE Router                                                                   | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                                                          |
| Power over Ethernet               | No                                                                                | No                                                                                              | No                                                                                | No                                                                                  | No                                                                                  | Yes                                                                                 | No                                                                                                                         |
| Other                             | -                                                                                 | 1x SIM card                                                                                     | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | Remote                                                                                                                     |
|                                   |                                                                                   |                                                                                                 |                                                                                   | <b>Functionality</b>                                                                |                                                                                     |                                                                                     |                                                                                                                            |
| Throughput Router                 | 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.                                              | 50 Mbps to 2Gbps depending on license.                                                                                     |
| Throughput Router (encrypted)     | 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.                                               | 50 to 350+ Mbps depending on license.                                                                                      |
| MGMT tools (optional)             | 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)                                                                                       |
| CME support (optional)            | Yes ( 48 phones)                                                                  | Yes ( 48 phones)                                                                                | Yes ( 48 phones)                                                                  | Yes ( 48 phones)                                                                    | Yes ( 48 phones)                                                                    | Yes ( 48 phones)                                                                    | Yes ( 48 phones)                                                                                                           |
|                                   |                                                                                   |                                                                                                 |                                                                                   | <b>Power</b>                                                                        |                                                                                     |                                                                                     |                                                                                                                            |
| Power                             | 12-32V DC                                                                         | 12-32V DC                                                                                       | 12-32V DC                                                                         | 12-32V DC                                                                           | 12-32V DC                                                                           | 12-32V DC                                                                           | 12-32V DC                                                                                                                  |
| Power consumption (28V / RMS)     | Idle: 8W<br>Typical: 14 W<br>Max: 16 W                                            | 23 W                                                                                            | Idle: 8W<br>Typical: 10W<br>Max: 11W                                              | Idle: 8W<br>Typical: 10W<br>Max: 11W                                                | Idle: 8W<br>Typical: 14W<br>Max: 16W                                                | Idle: 24W<br>Typical: 26W (no PoE)<br>Max: 31W (150W w. PoE)                        | 18W                                                                                                                        |
| Power connector                   | 38999                                                                             | 38999                                                                                           | ITS (ITT Cannon)                                                                  | ITS (ITT Cannon)                                                                    | 38999                                                                               | ITS (ITT Cannon)                                                                    | 38999                                                                                                                      |
|                                   |                                                                                   |                                                                                                 |                                                                                   | <b>Environmental</b>                                                                |                                                                                     |                                                                                     |                                                                                                                            |
| IP rating                         | IP65                                                                              | IP65                                                                                            | IP65                                                                              | IP65                                                                                | IP65                                                                                | IP65                                                                                | IP65                                                                                                                       |
| Standards                         | MIL-STD-810H<br>MIL-STD-461F<br>MIL-STD-1275E                                     | MIL-STD-810H<br>MIL-STD-461F<br>MIL-STD-1275D                                                   | MIL-STD-810H<br>MIL-STD-461F<br>MIL-STD-1275E                                     | MIL-STD-810H<br>MIL-STD-461F<br>MIL-STD-1275E                                       | MIL-STD-810G<br>MIL-STD-461F<br>MIL-STD-1275D                                       | MIL-STD-810G<br>MIL-STD-461F<br>MIL-STD-1275D                                       | MIL-STD-810H<br>MIL-STD-461F<br>MIL-STD-1275D                                                                              |
| Temperature (operational)         | -40°C to +65°C<br>(-40°F to 149 °F)*                                              | -40°C to +55°C<br>(-40°F to 131 °F)                                                             | -40°C to +65°C<br>(-40°F to 149 °F)*                                              | -40°C to +65°C<br>(-40°F to 149 °F)*                                                | -40°C to +65°C<br>(-40°F to 149 °F)*                                                | -40°C to +55°C<br>(-40°F to 131 °F)                                                 | -40°C to +55°C<br>(-40°F to 131 °F)                                                                                        |
| Dust caps                         | Yes<br>(only ODU connectors)                                                      | Optional                                                                                        | Optional                                                                          | Optional                                                                            | Yes                                                                                 | No (can be added as option)                                                         | No                                                                                                                         |
|                                   |                                                                                   |                                                                                                 |                                                                                   | <b>Dimensions</b>                                                                   |                                                                                     |                                                                                     |                                                                                                                            |
| Dimensions (WxDxH)                | 220 x 225 x 44 mm<br>(8.7 x 8.9 x 1.7 inches)                                     | 220 x 368 x 44 mm<br>(8.7 x 14.5 x 1.7 inches)                                                  | 220 x 279 x 44 mm<br>(8.7 x 11 x 1.7 inches)                                      | 220 x 279 x 44 mm<br>(8.7 x 11 x 1.7 inches)                                        | 220 x 225 x 44 mm<br>(8.7 x 8.9 x 1.7 inches)                                       | 220 x 374 x 44 mm<br>(8.7 x 14.8 x 1.7 inches)                                      | 220 x 299 x 44 mm<br>(8.7 x 11.7 x 1.7 inches)                                                                             |
| Weight                            | 2 kg (4.4 lbs)                                                                    | 3.1 kg (6.9 lbs)                                                                                | 2.2 kg (4.9 lbs)                                                                  | 2.2 kg (4.9 lbs)                                                                    | 2 kg (4.4 lbs)                                                                      | 3.8 kg (8.4 lbs)                                                                    | 3.5 kg (7.8 lbs)                                                                                                           |