## Cisco Integrated Services Routers (ISR)

**Converged Infrastructure to Enable the Next Generation Branch Services**

<table>
<thead>
<tr>
<th>Feature</th>
<th>ISR 800</th>
<th>ISR 4000</th>
<th>ASR 1000-10</th>
<th>ASR 1000-20</th>
<th>ASR 1000-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSL VPN</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Source-based RTBH</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>uRPF</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>SSHv2</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Advanced Security</td>
<td>ACL, AAA, RADIUS, TACACS+</td>
<td>ACL, AAA, RADIUS, TACACS+</td>
<td>VRF aware FW and NAT services</td>
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<tr>
<td>Quality of Service</td>
<td>Source-based RTBH, uRPF, SSHv2, Control Plane Policing (CoPP), QoS, ACL, FPM, Control Plan Protection</td>
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<td>CSE, 100Gbps</td>
<td>CSE, 100Gbps</td>
<td>CSE, 100Gbps</td>
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<tr>
<td>High-Availability</td>
<td>Redundant Power Supply</td>
<td>Redundant Power Supply</td>
<td>Yes, Dual AC or DC by default</td>
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<td>Yes, Dual AC or DC by default</td>
</tr>
<tr>
<td>Application Performance</td>
<td>FlexVPN</td>
<td>FlexVPN</td>
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<td>FlexVPN</td>
</tr>
<tr>
<td>Optimized</td>
<td>Application Performance Infrastructure Controller (APIC) with Supervisor Engine 1200 or 1280 (e.g. on GRE tunnels), 256</td>
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<tr>
<td>System Requirements</td>
<td>Intel or AMD CPUs with clock frequency of at least 2.0 GHz, 2.5 GB RAM</td>
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### Form Factor

- 1 RU
- 2 RU
- 4 RU
- 6 RU
- 13 RU

### Platform Specifications

- **Cisco Integrated Services Routers (ISR)**
  - **2x10GE**
  - **4x10GE**
  - **2x20GE**
  - **2x40GE**
  - **4x40GE**

### Feature Summary

- **Advanced Networking**
  - 16 core single-wide
  - 8 core double-wide
  - 4 core single-wide
  - 4 core double-wide

- **Advanced Security**
  - 120Gbps (ESP100) VRF aware FW and NAT services
  - 120Gbps (ESP20 and ESP40)

- **Basic Networking**
  - 10 Mbps
  - 500 Mbps
  - 1 Gbps
  - 10 Gbps

- **High Availability**
  - VRF-Lite, NTP, IPv6, IPv4, Time Protocol

- **Reliability**
  - FlexVPN

- **Performance**
  - Up to 15 or 23 or 59 Mpps
  - UP TO 40GBPS (ESP40)
  - 120Gbps (ESP100)

Visit our website for more information

**Cisco ISR Routers**: www.cisco.com/go/isr

**Cisco ASR 1000 Series Routers**: www.cisco.com/go/ASR1000

**Cisco CSR 1000V**: www.cisco.com/go/cldr