



NETWORK ELABS

Quick Spec

Cisco ASR 1002 BRAS / BNG



S. No	Product Name	Units	Description
01	ASR 1002	1	Chassis
02	ESP 10	1	Service Processor
03	SIP 10	1	Line Card
04	RP 1	1	Routing Processor
05	1Gig sfp	20	20 Port 1Gig SFP Ports
06	SPA 1X 10G	1	1 Port 10G Interface
07	PPPOE Sessions	Up to 6,000 sessions (Suggested 4,000)	
08	CG-Nat License will be provided by Network Elabs (One Time License)		



BRAS Functions

- Broadband PPPoE Con-Current Users Between **4000 to 6000**
- **1 * 10Gig Ports, 20 * 1Gig Ports**
- CGN RTU Feature License for up to 2M Sessions
- **10Gig Bandwidth Capacity**
- **3 Months Warranty And 3 Months Support**
- Dual Stack: Yes
- Dual power supply: Yes
- 2 * 10Gig XFP Modules Provided by **Network Elabs**: Yes
- Supports up to 4 million IPv4 routes
- Supports up to 4 million IPv6 routes

Hardware Details

- **Manufacturer Name** : Cisco ASR 1002
- **Product Type** : Aggregation Service Router
- **Shared port adapters** : 3 SPA slots
- **Route Processor** : Integrated in chassis, Cisco ASR 1000 Series RP1 (ASR1000-RP1)
- **Number of SIPs or Ethernet Line Cards supported** : 3
- **Built-in Gigabit Ethernet ports** : Yes: 4 Gigabit Ethernet SFP ports
- **ESP support (Embedded Services Processor)** : Cisco ASR 1000 Series 10-Gbps
- **ESP bandwidth** : 10 Gbps
- **ESP memory** : Cisco ASR 1000 Series 10-Gbps ESP (ASR1000- ESP10): 2-GB DRAM default; 2-GB DRAM maximum
- **Route processor memory** : Cisco ASR 1002: Comes with 4-GB DRAM (default and maximum)
- **Power input** : Worldwide ranging AC (85 to 264V; 120 or 240V; 60 or 50 Hz nominal)
Worldwide ranging DC (-40.5 to -72: -48V nominal)
- **Power consumption** : Maximum (AC): 560W • Maximum (out): 470W
- **Operating temperature (nominal)** : 41 to 104°F (5 to 40°C)



Why Network Elabs ?

As a leading network hardware supplier focuses on original New & Refurbished IT equipment of **Cisco, Huawei, HPE, Dell, Juniper, Aruba, Arista, etc.**

✓ **100% Quality Assurance:**

All items are ORIGINAL and GENUINE only. Item conditions are "New Sealed" or "Used / Refurbished". Used & refurbished items are fully tested with good conditions by Certified Engineers.

✓ **Standard Hardware Warranty Policy:**

Any new sealed product: As per OEM Warranty, Any Used / Refurbished product: 3 Months

➤ **Please Note:** BRAS Configuration & Integration will be provided by **Network Elabs**

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- For sales : sales@csstechnologies.in
- For Technical : tech@csstechnologies.in
- Website : www.csstechnologies.in
- Call / WhatsApp : +91 99596 40884

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2nd floor, 1-10-74/5/1, Chikoti Gardens, Begumpet, Hyderabad, Telangana 500016 Mail: sales@csstechnologies.in website: csstechnologies.in call: 91 99596 40884