

# Cisco ASR1000-ESP40= network interface processor (ASR1000-ESP40=)

ASR 1000 Embedded Services Processor, 40Gbps, Spare



## Price details:

Price excl. VAT: 25,289.04 €

Eco fees: 0.00 €

VAT 21 %: 5,310.70 €

## Product details:

Product code: ASR1000-ESP40=

EAN: 0882658338472

Manufacturer: Cisco

**30,599.74 €**

\* VAT included

PDF generated on: 18 March, 2018



The Cisco ASR 1000 Series Embedded Service Processors (ESPs) are based on the innovative, industry-leading Cisco QuantumFlow Processor for next-generation forwarding and queuing in silicon. These modules use the first generation of the hardware and software of the Cisco QuantumFlow Processor architecture.

The 5-, 10-, 10-N- 20- and 40-Gbps Cisco ASR 1000 Series ESPs (part numbers ASR1000-ESP5, ASR1000-ESP10, ASR1000-ESP10-N, ASR1000-ESP20, and ASR1000-ESP40, respectively) provide five centralized forwarding-engine options for the Cisco ASR 1000 Series Aggregation Services Routers. Additionally, the Cisco ASR 1002 Fixed Router includes a nonmodular, fixed ESP with throughput of 2.5-Gbps and the ASR 1001 comes with a nonmodular, fixed ESP with throughput of 2.5-Gbps which is upgradable with a software activated performance upgrade license to 5-Gbps.

The Cisco ASR 1000 Series 10-N-Gbps ESP (ASR1000-ESP10-N) is the nonencryption version of the Cisco ASR 1000 Series 10-Gbps ESP (ASR1000-ESP10). The Cisco ASR 1000 Series 10-N-Gbps ESP can only support noncrypto Cisco IOS Software images and will never support encryption capabilities such as IP Security (IPsec). In future releases, the Cisco ASR 1000 Series 10-N-Gbps ESP may support secured network management features such as Secure Shell (SSH) Protocol, Secure Sockets Layer (SSL), and Simple Network Management Protocol Version 3 (SNMPv3).

The Cisco ASR 1000 Series ESPs are responsible for the data-plane processing tasks, and all network traffic flows through them. The modules perform all baseline packet routing operations, including MAC classification, Layer 2 and Layer 3 forwarding, quality-of-service (QoS) classification, policing and shaping, security access control lists (ACLs), VPNs, load balancing, and NetFlow. They are also responsible for features such as firewalls, intrusion prevention, Network Based Application Recognition (NBAR), Network Address Translation (NAT), and Cisco IOS Flexible Pattern Matching.

## Main specifications:

### Technical details

Compatibility: Cisco ASR 1004, 1006, 1013

Quality of Service (QoS) support: Y

### Protocols

Supported network protocols: IPv6

### Management features

Management protocols: Telnet (CLI), Console (CLI), SNMP (RFC 2665)

### Weight & dimensions

Dimensions (WxDxH): 428 x 36 x 23 mm

### Operational conditions

Operating temperature (T-T): 5 - 40 °C

Storage temperature (T-T):	-40 - 70 °C
Operating relative humidity (H-H):	5 - 85 %
Storage relative humidity (H-H):	5 - 90 %
Operating altitude:	0 - 2000 m

#### Power

Power consumption (typical):	227 W
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#### Certificates

Safety:	UL60950 & CAN/CSA-C22.2 No. 60950, AS/NZS 60950, IEC/EN 60950, 73/23/EEC
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