

Refurbished CISCO CAB-ETH-S-RJ45 Datasheet

CISCO > ROUTERS

Cisco 1000 Series Integrated Services Routers

Business benefits	
Business need	
Business need	Features/description
Lightweight, compact size with low power consumption	Can be deployed in many different environments where space, heat dissipation, and low power consumption are critical factors
High performance to run concurrent services	High performance allows customers to take advantage of broadband network speeds while running secure, concurrent data, voice, video, and wireless services
High availability and business continuity	Redundant WAN connections for failover protection and load balancing Dynamic failover protocols such as Virtual Router Redundancy Protocol (VRRP; RFC 2338)
Consistent, high application performance levels	The router can run multiple services simultaneously with minimal performance degradation. Cisco SD-WAN delivers the best user experience over any connection.
Risk mitigation with multilevel security	Data privacy through high-speed IP Security (IPsec) and Advanced Encryption Standard (AES) encryption Trustworthy systems and hardware anchor
Remote configuration and management to keep local IT staff lean	Zero-touch provisioning with Cisco vManage Network Management System (NMS) Supports separate console port
Lower WAN expenditures	Cisco SD-WAN powered by Viptela operating system with Overlay Management Protocol (OMP) support for optimized WAN connection as well as easy-to-use management solution with Cisco vManage
Pay as you grow: IPsec performance upgrade model	Router IPsec capacity can be increased with a remote-performance, on-demand license upgrade (no hardware upgrade) for better CapEx budget management
IT consolidation, space savings, and improved TCO	Single converged branch platform integrates routing, security, and performance management capabilities

Architectural highlights	
Architectural feature	
Architectural feature	Benefits/description
Multicore architecture	Dedicated control plane for service reliability; multicore data plane for higher performance in ISR1100-6G
Integrated Gigabit Ethernet ports	Provides up to four built-in 10/100/1000 Ethernet ports for WAN or LAN ISR1100-6G platform has an additional two Ethernet ports that can support Small Form-Factor Pluggable (SFP)-based connectivity in addition to RJ-45 connections, enabling fiber or copper connectivity
Console access	RJ45 console port supports management connectivity
Flash memory support	The 1100 Series routers ship with a fixed dual 16 MB serial flash memory Bulk flash: 8 GB eMMC pSLC (usable storage: 5.8 G) USB type A 3.0 ports (4.5 W) provide capabilities for convenient storage
DRAM	The ISR1100 Series comes with 4 GB fixed DDR4 ECC DRAM
Embedded device security	Cisco anticounterfeit functionality UEFI secure boot

Embedded management capabilities

Feature

Cisco IP Service-Level Agreements (IP SLAs) App-aware routing based on SLAs and performance parameter polling

Simple Network Management Protocol (SNMP), Remote Monitoring (RMON), syslog, CFlowd, IP Flow Information Export (IPFix) SNMP
Netconf over SSH, CLI, REST (vManage)

Software features and protocols

Feature

Protocols	Open Shortest Path First (OSPF), Border Gateway Protocol (BGP), eBGP, iBGP, BGP Router Reflector, static, connected, OMP, 802.1Q, native VLAN, bridge domains, IRB, host-mode bridging, zero-trust, whitelisting, tamper-proof module, DTLS/TLS, IPSec, DDOS protection, control plane protection, classification, prioritization, low latency queuing, remarking, shaping, scheduling, policing, mirroring, IGMP v1/v2, PIM, Auto-RP, scale-out traffic replication, service advertisement and insertion policy, IPv4, SNMP, NTP, DNS client, Dynamic Host Configuration Protocol (DHCP), DHCP client, DHCP server, DHCP relay, config archival, syslog, SSH, SCP, Cflowd v10 IPFIX export, IPv6 for transport-side, VRRP, MPLS, symmetric NAT, static NAT, NAT pools, NAT64, NAT/PAT, NAT traversal, split DNS, Access Control Lists (ACL)
Encapsulations	Generic Routing Encapsulation (GRE), IPSec, Ethernet, 802.1q VLAN, CHAP/PAP for PPP over Ethernet (PPPoE)
Traffic management	Quality of Service (QoS), COS marking, app-aware routing, Weighted Random Early Detection (WRED), loss/latency and jitter monitoring, route policies, app-aware routing, control policy, data policy, ACL policy, VPN membership policy, multi-VRF support, Performance Routing (PFR) Netconf over SSH, CLI, REST (vManage), Linux shell, ZBFs (Zone-Based Firewalls)
Cryptographic algorithms	Encryption: AES-256 (in CBC and GCM modes), Internet Key Exchange (IKE), Cisco PKI Authentication: Authentication, Authorization, and Accounting (AAA), RSA (2048 bit), Integrated QAT, ESP-256-CBC, Authentication Header, HMAC-SHA1, ECDSA (256/384 bit); Integrity: HMAC-MD5, SHA-1, SHA-2

Cisco LTE Specifications

Item

Item	Specification
Modem information	Modem form factor: WP7600 Series
Important LTE features	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz and 20 MHz RF bandwidth WCDMA fallback Last resort circuit SIM based carrier firmware selection (Verizon, AT&T, Generic)
SIM support	Single Micro (3FF) SIM card socket
Wireless technologies supported	Cisco LTE Advanced 3.0 LTE (Refer to Table 9: LTE Bands Supported) Backward compatibility: UMTS and HSPA+
Included antenna	Two multiband swivel-mount dipole antennas (LTE-ANTM-SMA-D) For –N antenna and cable installation guidance, view the Connected Grid Antennas Installation Guide

Product part numbers and software images

Network Licenses

Network Licenses Ethernet cable, RJ45

The next steps...

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