



LR1500XS

10-Port High-Performance Cloud Managed Router



Overview		
Product dimensions		440 mm x 210 mm x 43.6 mm (15.75 in. x 8.27 in. x 1.72 in.)
Weight		3.82 kg (8.42 lbs) (with packaging materials) 3 kg (6.61 lbs) (without packaging materials)
Port Specifications	Total number of RJ45 ports	8
	Total number of optical ports	2
	Number of 1GE SFP ports	-
	Number of 10GE SFP+ ports	2
	Number of 10/100/1000BASE-T ports	4
	Number of 10/100/1000/2500BASE-T ports	4
	Number of 100/1000/2.5G/5G/10GBASE-T ports	-
	Maximum number of LAN port	9
	Maximum number of WAN ports	9
	Number of fixed LAN ports	1
	Number of fixed WAN ports	1
	Number of LAN/WAN ports	8
PoE Specifications	Number of PoE/PoE+ Out ports	-
	Number of PoE/PoE+/PoE++ Out ports	-
	PoE budget	-
	PoE power pins	-
Enclosure Material		Metal
Mounting Type		Desktop Mounting
Warranty		3 years
Hardware		



Overview		
System Specifications	CPU	Quad-core processor, 1.8 GHz clock frequency per core
	Flash memory	128 MB
	RAM	4 GB
	eMMC	8 GB
	USB port	-
	Hard disk	1 x standard SATA 3.0 HDDs
	LEDs	1 x system status LED 10 x Ethernet port LEDs 1 x HDD LED
	Buttons	1 x reset button
System Performance Capacity	Maximum number of concurrent sessions	300000
	Recommended number of concurrent clients	1500
	Throughput	4000 Mbps
Power Supply and Consumption	Power method	220 V AC power supply: Voltage: 100 V AC to 240 V AC Frequency: 50 Hz to 60 Hz Rated input current: 1.5 A
	Dimensions of the DC connector	N/A
	Max. Power Consumption	18 W
Environment and Reliability	Surge protection	Service port: ± 6 kV for common mode Power connector: ± 6 kV for common mode and ± 6 kV for differential mode
	Operating temperature	0°C to 40°C (32°F to 104°F)
	Storage temperature	-40°C to +70°C (-40°F to +158°F)
	Operating humidity	10% RH to 90% RH (non-condensing)
	Storage humidity	5% RH to 95% RH (non-condensing)
	Fan	Fanless design

Overview		
	Cooling	Natural cooling
	ESD protection	Contact discharge: 6 kV Air discharge: 8 kV
Software		
Basic Configurations	Working mode	AC mode Routing mode
	Internet access mode	PPPoE DHCP Static IP
	Self Organizing Netowk	Yes
	Maximum number of devices that can be managed	128
	Maximum number of APs (routing mode)	1000
	Maximum number of APs (AC mode)	1000
Ethernet Switching	VLAN	Yes
	Maximum number of VLANs supported by all LAN interfaces	128
	LLDP	No
	RLDP	No
	STP	No
IP Routing	Load balancing	Yes
	Static routing	IPv4 and IPv6 Static route
	Maximum number of IPv4 static routes	500
	Maximum number of IPv6 static routes	500
	PBR	IPv4 and IPv6 PBR
	Number of IPv4 PBR entries	30
	Number of IPv6 PBR entries	30
	URL-based routing	Yes

Overview		
	RIP	Yes
	Number of RIP routes	1000
	BGP	Yes
	Number of BGP routes	10000
	OSPF	Yes
	Number of OSPFv2 instances	16
	Number of OSPF neighbors on a point-to-point interface	64
	Number of OSPFv3 routes	10000
	Number of dynamic IPv4 routes	1000
	Number of dynamic IPv6 routes	1000
	IS-IS	No
Security	ACL	Yes
	DHCP snooping	No
	IP-MAC binding	Yes
	MAC address filtering	Yes
	Security zone	Yes
	Local attack defense	Yes
	Limiting the number of connections	Yes
	Multicast rate limit	No
	Network sharing prevention	Yes
Authentication	Local portal authentication	SMS-based authentication
		One-click authentication
		Authorization-based authentication



Overview

		QR code authentication
		Authentication (IP address-based) across Layer 3 switches
		Self-service logout
	Cloud portal authentication	Custom portal page
		Delivery through cloud portal page
		One-click login to cloud portal page
		Account-based authentication
		Voucher authentication
		SMS-based authentication supported by cloud portal page
	Third-party authentication	WISPr for third-party portal authentication
		Wi-FiDog for third-party portal authentication
	MAB on Cloud	Yes
	MAB for local authentication	Yes
	MAB for RADIUS-based authentication	Yes
	802.1X authentication	Yes
	PPPoE authentication	Yes
VPN & VPN Performance	Site-to-Site VPN	IPsec VPN
		WireGuard
	Client-to-Site VPN	L2TP VPN
		L2TP over IPSec VPN
		OpenVPN
		PPTP VPN
		WireGuard

Overview		
	L2TP VPN bandwidth	1150 Mbps
	PPTP VPN bandwidth	1450 Mbps
	OpenVPN bandwidth	300 Mbps
	IPsec VPN bandwidth	730 Mbps
	IPv6 IPsec VPN bandwidth	900 Mbps
	WireGuard performance	1200 Mbps
	L2TP over IPsec bandwidth	750 Mbps
	SD-WAN	Yes
	SD-WAN performance	1200 Mbps
Gateway Features	User Behavior Management (UBM)	Yes
	Application control	Yes
	Flow control	Yes
	Traffic audit	Yes
	Audit log	Yes
	Local storage of traffic audit logs	Yes
IP Service	ARP	Yes
	Proxy ARP	No
	Maximum number of ARP entries	4096
	DDNS	Yes
	DHCP	Yes
	DNS	Yes
	IPTV	Yes
	IPv4/IPv6	Yes

Overview		
	NAT	Yes
	Number of port mapping entries	512
	UPnP	Yes
	Multicast	No
WLAN	AP management	Wi-Fi
		RF parameters
		Managing clients
		Configuring an allowlist and a blocklist
		802.1X authentication
		AP Mesh
		WQoS
		802.11k/v roaming
		AP portal authentication
		AP load balancing
		AP LEDs
		Layer 2 isolation
		Configuring the power supply mode of the AP on Cloud
	Maximum number of SSIDs	8
	Client association	Yes
Network Management and Monitoring	Web management	Yes
	Cloud management	Upgrading device software version through App
		Restarting devices through App
		Remotely monitoring devices through App

Overview

		Self organizing network through code scanning
		Cloud-based O&M
		Cloud-based upgrade
	Management on App	Yes
	Web login information	Yes
	HTTP login	Yes
	HTTPS login	Yes
	NTP	NTP client
	Fault diagnosis	Yes
	Telnet	No
	SSH	No
	File transfer	No
	Syslog	Yes
	SNMP	Yes
	RLOG	Yes
	Fan speed adjustment	No
	Fault self-diagnosis	Yes
	Stacking	No
	VRRP	No

Compliance and Standard

Certification and Regulatory Compliance	NDA Complain	Yes
	EMC	FCC Part 15B
	Safety compliance	UL 62368-1



Overview		
	Certification	FCC, IC, cTUVus
Package Contents		
Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Rubber pad	4
	Power cord retention clip	1
	Screw	8 X M4 x 8 mm cross recessed countersunk head screws
	Power cord	1 x 1.8 m (70.86 in.)
	Rack-mount bracket	2

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