



# LR300G-P

10-Port Cloud Managed Router  
with 110 W PoE Budget



## DATASHEET

Overview		
<b>Dimensions</b>	202 mm x 108 mm x 28 mm (7.95 in. x 4.25 in. x 1.10 in.)	
<b>Weight</b>	1.62 kg (3.57 lbs) (with packaging materials) 0.55 kg (1.212 lbs) (without packaging materials)	
<b>Port Specifications</b>	Total number of RJ45 ports	10
	Total number of optical ports	-
	Number of 1GE SFP ports	-
	Number of 10GE SFP+ ports	-
	Number of 10/100/1000BASE-T ports	10
	Number of 10/100/1000/2500BASE-T ports	-
	Number of 100/1000/2.5G/5G/10GBASE-T ports	-
	Maximum number of LAN port	9
	Maximum number of WAN ports	4
	Number of fixed LAN ports	6
	Number of fixed WAN ports	1
	Number of LAN/WAN ports	3
<b>PoE Specifications</b>	Number of PoE/PoE+ Out ports	8
	Number of PoE/PoE+/PoE++ Out ports	-
	PoE budget	110 w
	PoE power pins	1-2 (+), 3-6 (-)
<b>Enclosure Material</b>	Metal	
<b>Mounting Type</b>	Desktop Mounting	
<b>Warranty</b>	3 years	
Hardware		
<b>System Specifications</b>	CPU	Dual-core processor, 1.35 GHz clock frequency per core
	Flash memory	256 MB
	RAM	512 MB
	eMMC	-
	USB port	-



	Hard disk	-
	LEDs	1 x system status LED 10 x Ethernet port LEDs
	Buttons	1 x reset button
<b>System Performance Capacity</b>	Maximum number of concurrent sessions	100000
	Recommended number of concurrent clients	350
	Throughput	1.5 Gbps
<b>Power Supply and Consumption</b>	Power method	DC adapter: Rated input voltage: 100 V AC to 240 V AC, 50 Hz to 60Hz Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz (optional) Rated input current: 2.5 A Output: Rated output voltage: 54 V DC Maximum output current: 2.4 A
	Dimensions of the DC connector	Outer Diameter: 5.5 mm Inner Diameter: 2.1mm Depth: 10 mm
	Max. Power Consumption	9 W (with no PoE load) 119 W (with full PoE load)
<b>Environment and Reliability</b>	Surge protection	Service port: $\pm 4$ kV for common mode Power connector: $\pm 4$ kV for common mode and $\pm 4$ kV for differential mode
	Operating temperature	-10°C to +50°C (14°F to 122°F)
	Storage temperature	-40°C to +70°C (-40°F to +158°F)
	Operating humidity	0% RH to 100% RH (non-condensing)
	Storage humidity	0% RH to 100% RH (non-condensing)
	Fan	Fanless
	Cooling	Natural cooling
	ESD protection	Contact discharge: 4 kV Air discharge: 6 kV
<b>Software</b>		
<b>Basic Configurations</b>	Working mode	AC mode Routing mode
	Internet access mode	PPPoE DHCP Static IP



	Self Organizing Network	Yes
	Maximum number of devices that can be managed	128
	Maximum number of APs (routing mode)	150
	Maximum number of APs (AC mode)	500
<b>Ethernet Switching</b>	VLAN	Yes
	Maximum number of VLANs supported by all LAN interfaces	64
	LLDP	No
	RLDP	No
	STP	No
<b>IP Routing</b>	Load balancing	Yes
	Static routing	IPv4 and IPv6 Static route
	Maximum number of IPv4 static routes	100
	Maximum number of IPv6 static routes	100
	PBR	IPv4 and IPv6 PBR
	Number of IPv4 PBR entries	30
	Number of IPv6 PBR entries	30
	URL-based routing	Yes
	RIP	Yes
	Number of RIP routes	500
	BGP	Yes
	Number of BGP routes	5000
	OSPF	Yes
	Number of OSPFv2 instances	16
	Number of OSPF neighbors on a point-to-point interface	64
	Number of OSPFv3 routes	5000
	Number of dynamic IPv4 routes	1000
	Number of dynamic IPv6 routes	1000
IS-IS	No	



<b>Security</b>	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
<b>Authentication</b>	Local portal authentication	SMS-based authentication
		One-click authentication
		Authorization-based authentication
		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
<b>VPN &amp; VPN</b>	Site-to-Site VPN	IPsec VPN



<b>Performance</b>		WireGuard
	Client-to-Site VPN	L2TP VPN
		L2TP over IPsec VPN
		OpenVPN
		PPTP VPN
		WireGuard
	L2TP VPN bandwidth	540 Mbps
	PPTP VPN bandwidth	640 Mbps
	OpenVPN bandwidth	100 Mbps
	IPsec VPN bandwidth	170 Mbps
	IPv6 IPsec VPN bandwidth	170 Mbps
	WireGuard performance	300 Mbps
	L2TP over IPsec bandwidth	160 Mbps
SD-WAN	Yes	
SD-WAN performance	300 Mbps	
<b>Gateway Features</b>	User Behavior Management (UBM)	Yes
	Application control	Yes
	Flow control	Yes
	Traffic audit	Yes
	Audit log	Yes
	Local storage of traffic audit logs	No
<b>IP Service</b>	ARP	Yes
	Proxy ARP	No
	Maximum number of ARP entries	1024
	DDNS	Yes
	DHCP	Yes
	DNS	Yes
	IPTV	Yes
	IPv4/IPv6	Yes



	NAT	Yes
	Number of port mapping entries	512
	UPnP	Yes
	Multicast	No
<b>WLAN</b>	AP management	Wi-Fi
		RF parameters
		Managing clients
		Configuring an allowlist and a blacklist
		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	
<b>Network Management and Monitoring</b>	Web management	Yes
	Cloud management	Upgrading device software version through App
		Restarting devices through App
		Remotely monitoring devices through App
		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
<b>Compliance and Standard</b>		
<b>Certification and Regulatory Compliance</b>	NDA A Complain	Yes
	EMC	FCC Part 15B
	Safety compliance	UL 62368-1
	Certification	FCC, IC, cTUVus
<b>Package Contents</b>		
<b>Device</b>	Device	1
<b>Manual</b>	User Manual	1
	Warranty Card	1
<b>Accessories</b>	Rubber pad	4
	Power cord retention clip	-
	Screw	-
	Power cord	31.49 in. x 1 pieces
	Rack-mount bracket	-



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