Model: LT300 3.0

4G N300 Wi-Fi Router with USB-C Power Input



Datasheet

Highlights

Insert a SIM card and get online instantly. The new LT300 features an USB-C power port to supports standard USB power supply, unlocking more flexible usage. With built-in 300 Mbps Wi-Fi and cellular/WAN port failover, it's perfect for home, retail stores, small offices, business trips, travel, security monitoring.

- Powering via USB-C
- 4G Cat. 4 with Max 150 Mbps DL
- 300 Mbps Wi-Fi
- 1× Nano SIM Slot
- VPN Server and Client
- Cudy App, Cloud Control

Actual cellular speeds will vary depending on carrier conditions and environmental factors such as cellular base station location/distance, nearby clients density, building layout, and physical obstacles.

Actual wireless data throughput will vary as a result of network conditions, client limitations, and environmental factors including building layout, obstacles, and client location.

Package Content

- LT300
- USB-C to USB-C Cable
- Installation Guide

Hardware Specs

Model Version	LT300 3.0	
CPU	CPU Details	580 MHZ Single-Core, MIPS24KEC
Memory/Storage	Flash/ROM	16 MB (128 Mbit) NOR
	DDR/RAM	64 MB (512 Mbit) DDR2
Cellular	Cellular Standards	4G Cat. 4
	Cellular Antennas	2× Fixed
	SIM Options	1× Nano SIM Slot
	Available Versions	EU, CN, LA
EU Version Cellular	Suitable Regions	Europe, Middle East, Africa
	Max DL Speed	150 Mbps (LTE-FDD), 130 Mbps (LTE-TDD)
	Max UL Speed	50 Mbps (LTE-FDD), 30 Mbps (LTE-TDD)
	Advanced	DL 2×2 MIMO

EU Version Cellular	Cellular Bands	LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41 WCDMA: B1/5/8
CN Version Cellular	Suitable Regions	China, India
	Max DL Speed	150 Mbps (LTE-FDD), 130 Mbps (LTE-TDD)
	Max UL Speed	50 Mbps (LTE-FDD), 30 Mbps (LTE-TDD)
	Advanced	DL 2×2 MIMO
	Cellular Bands	LTE-FDD: B1/3/5/8 LTE-TDD: B34/38/39/40/41 WCDMA: B1/5/8
LA Version Cellular	Suitable Regions	Latin America
	Max DL Speed	150 Mbps (LTE-FDD), 130 Mbps (LTE-TDD)
	Max UL Speed	50 Mbps (LTE-FDD), 30 Mbps (LTE-TDD)

Hardware Specs

LA Version Cellular	Advanced	DL 2×2 MIMO
	Cellular Bands	LTE FDD: B1/2/3/4/5/7/8/28/66 LTE TDD: B40 WCDMA: B1/2/4/5/8 GSM: B2/3/5/8
Wireless	2.4 GHz Wi-Fi Speed	300 Mbps
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	2× Internal
	FEM or PA/LNA	2.4 GHz: 2× Internal
	Range Performance	Max: 50 m (164 ft) Tested in open-space environments with minimal interference. Actual WiFi range may vary depending on layout and wall materials. Refer to the Wall Performance specifications for placement suggestions.
	Wall Performance	One wooden walls with thickness < 10 cm (4'')

Interfaces	10/100 Mbps RJ45 Ports	2
	Ethernet Notes	1× RJ45 port is WAN/LAN configurable, and the rest are LAN ports
Buttons and LEDs	Physical Buttons	WPS Button, Reset Button
	LED	System, Cellular Signal Strength
Power	Power Input Type	USB-C Port
	Power Methods	USB-C
	Power Input	5V⎓2A
	Max Power Consumption (W)	8W
	Idle Power Consumption (W)	3W
Reliability	EMC	ESD: Contact: 4kV; Air: 8kV

Hardware Specs

Reliability	Environment	Operating Temperature: 0 ℃ ~ 40 ℃ (32 ℉ ~104 ℉) Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℉ ~ 158 ℉) Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing
Certifications	FCC, CE	
Mechanical	Dimension	Main Part: 118×80×27.5 mm 4.65×3.15×1.08 inches
	Product Weight	126.0 g (4.44 oz.)
	Installation	Desktop
Package Content	• LT300 • USB-C to USB-C Cable • Installation Guide	
Ordering Information	Retail Package Weight	EU: 260.5 g (9.19 oz.)
	Retail Package Dimension	136×128×38 mm 5.35×5.04×1.5 inches

Ordering Information	Units per Carton	40
	Carton Net Weight	EU: 10.4 kg (22.93 lbs)
	Carton Gross Weight	EU: 11.0 kg (24.25 lbs)
	Carton Dimension	41.5×29.7×28.3 cm 16.34×11.69×11.14 inches

Software Specs

Model Version	LT300 3.0	
Wireless	Wi-Fi Standards	Wi-Fi 4
	Max Wi-Fi Modulation	64-QAM
	Max Capacity	64
	Recommended Client Upper Limit	30
	Wi-Fi Channel Width	Auto/20/40 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz
	WPS	True
General	Operation Modes	• Cellular Router • Wi-Fi Router • WISP

General	Cellular APN	• Band Select (Band Lock) • Cellular Mode Select • Data Roaming • APN Profile • Manual APN Profile • MTU Value
	Cellular Mode	• 4G Only • 3G Only • Auto
	WAN Mode	• DHCP • Static IP • PPPOE • L2TP • PPTP
	Internet Failover Sequence	• WAN • WISP • Cellular
Network	QoS	Per-User Rate Limiting
	DHCP	• Address Reservation • DHCP Client List • Server
	IP Versions	IPv4/IPv6

Software Specs

Network	IPv6 Protocols	• Relay • Dynamic (SLAAC/DHCPv6) • Static (Fixed IP) • Passthrough • 464XLAT • MAP-E • DS-Lite
	Multicast	True
	IPTV/VLAN	• Bridge • Tag VLAN
	TTL Customization	• Extend • Spoof • Custom
	IGMP	• IGMP Proxy • IGMP Snooping
	Forwarding	• Port Forwarding • Port Triggering • UPnP • DMZ
	Firewall	• SPI Firewall • DoS Protection • Block PING

Network	Application Layer Gateway	• IPSec Passthrough • L2TP Passthrough • PPTP Passthrough • FTP Passthrough • TFTP Passthrough • H323 Passthrough • SIP Passthrough • RTSP Passthrough
Utilities	VPN Server	• WireGuard • OpenVPN • PPTP • L2TP
	VPN Client	• WireGuard • OpenVPN • PPTP • L2TP
	DNS Options	• Manual DNS • Rebind Protection • Override Clients' DNS
	SMS	• Send • Receive • USSD (Optional for Bulk Order)

Software Specs

Utilities	Online Detection	True
Management	Parental Controls	• Profiles Settings • Offline Time • Online Time • Pause the Internet • Web Filter
	All Devices Management	• Wi-Fi Time Schedule • MAC Filter • IP/MAC Binding
	Per-Devices Management	• Internet On/Off • VPN On/Off • Online Time Schedule • Device Rename
	Content Management	• Domain Filtering • IP Filtering
System	LED Control	True
	Local Control Method	• Config Web Page • App Control
	Remote Control Method	• App Control • Config Page via HTTP

System	Firmware Upgrade	• Local Update • App (Over the Air) • Online Update
	Diagnostic Tools	• Diagnosis • Ping • Traceroute • NSLookup • System Log

Software Specs

System	Languages	• English • Bengali • Catalan • Czech • German • Greek • Spanish • French • Hebrew • Croatian • Hungarian • Italian • Japanese • Khmer • Korean • Dutch • Norwegian • Polish • Portuguese • Romanian • Russian • Slovak • Swedish • Thai • Turkish • Ukrainian • Vietnamese • Simplified Chinese • Traditional Chinese

System	Reliability	• Timed Reboot • Backup and Restore
Dashboard	Panel	• Internet Status • Devices Management • Cellular Status • WAN Status • LAN Status • WISP Status • Wi-Fi Status • VPN Status • DHCP Server Status • System Version
	Charts	• Cellular Speed • Internet Speed • WISP Speed • Wi-Fi Speed
Wireless	Separate Client	True