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RT-90 10G Access Network Analyzer



To Verify your 10G internet in the easiest way!

50G PON is coming—ready to handle 10G access rates! Use new RT-90 10G Access Network Analyzer to test and verify your internet access rate, LAN connection rate, WiFi speed and more.

Android | TV Simulation | 10Gbps | WiFi6E | Cable Speed

What is F5G-A?

F5G-A, as know as 5TH Generation Fixed Network in Advanced, is a standard from ETSI (European Telecommunications Standards Institute); it comes with many new features for home and industrial use such as:

- Enhanced fixed broadband (eFBB)
- Guaranteed reliable experience (GRE)
- Full-fibre connection (FFC)
- Green Agile Optical-Network (GAO)
- Real-time Resilient Link (RRL)
- Optical Sensing and Visualization (OSV)



F1G 1990
- Voice/Web
- PSTN/ISDN
- 64Kbps

F2G 2000
- Pictures/SD Video
- ADSL
- 10Mbps

F3G 2005
- HD Video
- VDSL
- 200Mbps

F4G 2010
- 4K Video
- GPON/EPON
- 500Mbps

F5G 2018
- 8K Video/VR/AR
- 10GPON
- 1Gbps

F5G-A 2025
- Full Fiber Connection
- 50G PON
- 10Gbps

For end users, it's first time make possible use 10Gbps rate to visit internet by 50G PON network.

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10Gbps Internet Speed Test

To use any third-party test platform, such as SpeedTest by Ookla, nPerf, or other web services, to test your internet access rate in maximum 10Gbps; and allow users to install any new Apps which run on Android system.



Demonstration by using App of Speed Test by Ookla

10Gbps LAN test

Use build in iPerf2/3 in Graphic UI mode, users can test connection rate between device to device, or device to computer; RT-90 supports both client and server mode, just input your destination IP address and press start, you can verify your network throughput in real-time.

iPerf2/3
10Gbps

Copper Cable Test

As we know, cable throughput is really depends on the length of cable, but common test method only give you the catalog level of cable, like CAT-6E or CAT-7; RT-90 bring to you a new way to test cable, to alternate expensive Cable Certifier; it focus on how fast throughput can carry on a certain length copper cable, to verify the cable speed from Living Room to Bed Room, or from Basement to 2nd floor; make sure each network port has necessary connection rate for your home network.



What's the maximum throughput for each cable?

WiFi Connection

RT-90 support WiFi6 in maximum 2400Mbps (2x2 MIMO, 160Mhz bandwidth) or WiFi6E (only for approved countries.); user can use any test platform (like Speed Test by Ookla) or iPerf to test WiFi throughput in any location. We also provide many useful WiFi diagnose tools like One-Click WiFi test, WiFi Channel Radar, WiFi Signal Recorder and etc., to help users inspect WiFi in more details.

Wi Fi 6E

WiFi AirTime

To use this world leading technology, uses can analyze WiFi much easier than before. No Need Password, No Need Internet Connection, No User Interruption, to analyze and record WiFI signal coverage in real time, AirTime function let users to test WiFi has no limit, can support any kind of WiFi signal in any standard, and provide rich details like WiFi information, system usability in percents, negotiation rates for each STA,real-time data throughput rate and more.



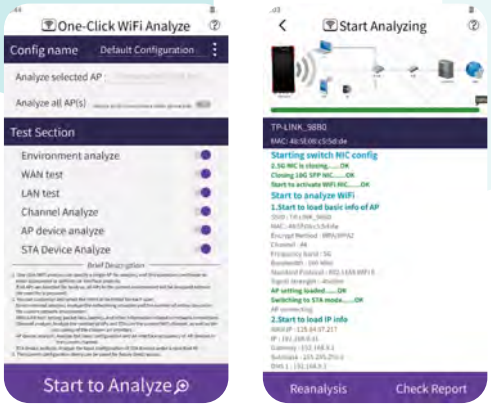


Air Time Test

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One-Click Test

By just click START key, RT-90 will automatically test your internet connection by WiFi or cable, If a problem occurs, it will help users identify the cause of the issue, such as: IP problem, DNS problem or others. It's save time and efficient way to verify your internet connection.



TV simulation

By using HDMI input and output port, RT-90 can support maximum 4K@60HZ TV simulation, to help technicians setup TV box or stream player in new house where without TV.



Android System

RT-90 based on original Android system, users can install any Apps they want for further using or function updates; it's open and free.

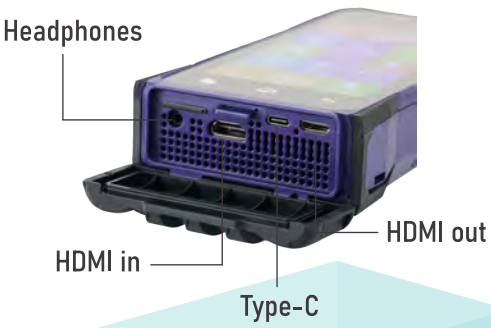


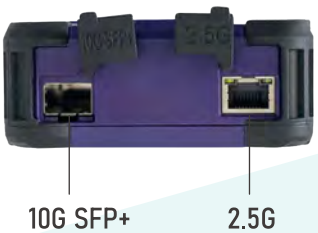
Report Management

For each task user accomplished, it will be automatically saved and record in Report Management function; users can easily find and check their daily tasks in the calendar UI, then export to PDF format in signal or combine tasks.









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Specifications

Hardware		CPU	8 Cores / 2.4G Hz
		RAM	4G
		ROM	64G
		Resolution	1080*1920
		Touch Screen	Multi-Touch
		Front Camera	Prime Len / 5M Pixel
		Back Camera	Zoom Len / 12M Pixel
		Back LED	Flash Light
	WiFi	Standard	WiFi6 802.11AX
		Maxmium Speed	2400Mbps
		Band Width	160Mhz
		Frequency	5G / 2.4G
		MIMO	2X2
	Ethernet	RJ45	2.5G/1000M/100M/10M
		SFP+	10Gbps
		SFP+ Transceiver	RJ45 / Dual Port LC
	Connections	HDMI	IN / OUT (mini HDMI)
		Ports	Handset / MIC / Speaker / 3.5mm Jack
		GPS	GPS/BeiDou/GLONASS
		USB	Typc-C with PD
		Bluetooth	5.0
		TF Card	up to 512G
	Power	Battery	6000mAH
		Input	100VAC to 240VAC
		Output	5VDC 1.5A
Software		OS	Android 12
		3th Party APP	Build-in APP Market
		Internet Speed Test Platform	SpeedTest by Ookla / etc.
		Cable Test	Use iPerf to test maxmium cable throughput
		Signal Stability	To record and analyze all SSIDs' signal
		WiFi AirTime	No need password and internet connection, to anylyze WiFi utility, traffic and info in realtime
		Channel Radar	To show all WiFi channel usage
		WiFi Advisor	Base on WiFi AirTime test, provide WiFi optimize suggestions
		WiFi Optimize Effectiveness	To record and analyze WiFi quality before and after optimizing
		Report / Template Management	Manage user test report and testing template
		Ethernet Tools	PING,Tracert
		Tools	calculator / note / browser / calendar / camera / flash light
		TV simulator	snapshot / video recorder