Submission for Speedtest Issue

Please be advised on the following before conducting a speed test.

1. Ensure the speed test connection is a Cat 5e and above ethernet LAN cable



2. Connect the LAN cable shown above directly between the ONR shown below, to the Laptop or Desktop network port.



3. Check that the network adaptor is GbE for speed test to be able to reach up to 1Gbps. For more details please refer to (<u>https://www.whizcomms.com.sg/wp-</u> <u>content/uploads/2018/01/How-to-check-PC-or-Notebook-Network-adapters.pdf</u>)

Properties

Link speed (Receive/Transmit):	1000/1000 (Mbps)
Link-local IPv6 address:	fe80::aca5:9c91:9867:5398%8
IPv4 address:	10.1.1.213
IPv4 DNS servers:	8.8.8.8 1.1.1.1
Manufacturer:	Realtek
Description:	Realtek USB GbE Family Controller
Driver version:	10.33.419.2019
Physical address (MAC):	00-E0-4C-68-00-CB
Сору	

4. Disable firewall, anti-virus and cloud storage software applications. *



5. Disable backend/synchronising processes to reduce as much memory and CPU utilisation as possible before performing speed test. *

Ś	Performance App history Startup	Users Details Servic	ces					
Va	me	Status	29% CPU	65% Memory	0% Disk	0% Network	0% GPU	GPU Engine
A	pps (6)							
>	Microsoft Outlook (32 bit)	0%	85.7 MB	0 MB/s	0.1 Mbps	0%		
>	Microsoft Word (32 bit)	0%	113.4 MB	0 MB/s	0 Mbps	0%		
>	Microsoft Word (32 bit)		0%	6.5 MB	0 MB/s	0 Mbps	0%	
>	ॷ Task Manager	1.3%	19.9 MB	0.1 MB/s	0 Mbps	0%		
>	WhatsApp (4)	1.7%	240.0 MB	0 MB/s	0 Mbps	0%		
>	🐂 Windows Explorer	0%	65.8 MB	0 MB/s	0 Mbps	0%		
В	ackground processes (48)							
>	Adobe Acrobat Update Service (32 bit	Adobe Acrobat Update Service (32 bit)			0 MB/s	0 Mbps	0%	
	Application Frame Host	0%	3.6 MB	0 MB/s	0 Mbps	0%		
	S CCleaner	0%	1.3 MB	0 MB/s	0 Mbps	0%		
	COM Surrogate	0%	2.2 MB	0 MB/s	0 Mbps	0%		
	COM Surrogate	COM Surrogate			0 MB/s	0 Mbps	0%	
	📝 CTF Loader	0%	2.8 MB	0 MB/s	0 Mbps	0%		
	Device Association Framework Provide	er	0%	1.7 MB	0 MB/s	0 Mbps	0%	
	😻 Dropbox (32 bit)		0%	0.1 MB	0 MB/s	0 Mbps	0%	
	😻 Dropbox (32 bit)	0%	0.5 MB	0 MB/s	0 Mbps	0%		
	🛞 Dropbox (32 bit)	0%	72.6 MB	0 MB/s	0 Mbps	0%		
>	Dropbox Service	0%	0.1 MB	0 MB/s	0 Mbps	0%		
	ESET Main GUI		0%	0.7 MB	0 MB/s	0 Mbps	0%	
>	ESET Service	ESET Service			0 MB/s	0 Mbps	0%	
	FortiClient Logging daemon	0%	2.3 MB	0 MB/s	0 Mbps	0%		
	FortiClient Network Access Control		0%	1.6 MB	0 MB/s	0 Mbps	0%	
>	FortiClient Scheduler	0%	1.0 MB	0 MB/s	0 Mbps	0%		
	FortiClient Settings Service		0%	0.3 MB	0 MB/s	0 Mbps	0%	

*Processes such as but not limited to:- Windows Defender, AVG, Dropbox, Onedrive, iTunes...etc, utilises a fair percentage of processing power, memory and/or bandwidth to constantly check and synchronise as part of its ongoing tasks.

The purpose of these information is to inform users that many of these day to day applications on the laptop will cause network speed to slow down and that is why speed test result is often lower than intended. Field engineer laptops are "clean" with only the Operating System installed, so its speed test will always hit the benchmark range.

After addressing the abovementioned and upon performing the speed test, it is still very low, please submit the following reports for follow up investigations.

The following documents needed for submisssion will be:

 Download speedtest application for Windows/MacBook from ookla at https://www.speedtest.net/apps/desktop. Please choose the OS version and install the application. Take a screenshot of the speedtest. Please change Server to 'Singtel'.



2) Screenshot of whatismyproxy.com

C Secure https://www.whatismyip.com	🗴 🔿 🖈
UnatisMyIR.com®	Log In Create Account Home Speed Test IP Lookup Hide My IP Change My IP
IP Tools	Ada by Google 1.My IP 2. Check IP Address 3.IP Wireless
How To	
Resources >	Your IP Address Is: O SAFERVPN
Advertisements	202.133.194.92
KPI Dashboard Software Track All Your KPIs On A Dashboard. Get Started in Minutes. Free Triall Go to Hildein com KTU Domboard	City: Singapore
Kilpiolo.com/KPPDasiboard	State: Singapore Hide Your IP with One Click
NordVPN Official Website Protect your privacy: Avoid online threats. Unblock region-specific content. Go to nordrypn.com	Country: SG
	ISP: Whiz Communications Pte Ltd
Internet Monitor	My IP Information What My IP Says About Me Proxy Check

Search > CMD prompt and do ping, pathping and tracert as shown below

3) Screenshot of - ping < website domain having issue>

Example: ping www.whizcomms.com.sg



4) Screenshot of – pathping <website domain having issue>

Example: pathping www.whizcomms.com.sg



5) Screenshot of – tracert <website domain having issue>

Example: tracert www.whizcomms.com.sg

Cib.	Command Pro	npt			-	×
c:\(Jsers\Eric>	tracert 1	165.21.83	.88		^
Tra ovei	cing route r a maximun	to dnscac of 30 ho	he1.sing	net.com.sg [165.21.83.88]		
1 2 3 4 5 6 7	<1 ms 2 ms 4 ms 2 ms 2 ms 2 ms 3 ms	<1 ms 1 ms 2 ms 2 ms 2 ms 2 ms 2 ms 2 ms	<1 ms 1 ms 2 ms 1 ms 2 ms 2 ms 2 ms 2 ms	192.168.1.254 202.133.194.126 103.67.168.130 103.67.168.129 ae8-0.tp-cr03.singnet.com.sg [202.166.122.50] ae5-0.tp-cr04.singnet.com.sg [202.166.123.66] ae8-0.tp-cr04.singnet.com.sg [202.166.120.181]		
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Please attached and send to

Email: whiz.info@whizcomms.com.sg