

Relatório dos Testes de desempenho da ONT SUMEC SM164242-GHDUHR-T21CV



Nesse relatório serão apresentados os testes iniciais de desempenho da **ONT SUMEC SM164242-GHDUHR-T21CV.** Todos os testes foram realizados em ambientes controlados, portanto podem haver variações para mais ou para menos dependendo do local de instalação do usuário final.

Bancada de Testes CDD Fiber Network Autor: Assistente de T.I Luan Caique



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1 - Testes no Wi-fi 5GHz (padrão Wi-fi 802.11ac)

Os testes foram realizados nos aplicativos **Minha Conexão** e **Fast** no servidor **Fiber Network,** obtivemos resultados satisfatórios. Utilizamos o smartphone **SAMSUNG GALAXY S20 FE** conectado na rede **WI-FI 5GHz**



Fast.com Download: 670 Mbps
Upload: 540 Mbps

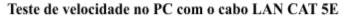
Download: 698.4 Mbps
Upload: 623.8 Mbps



2 - Testes de Velocidade no PC

Realizamos os testes através das páginas do **Minha Conexão** e **Fast.com** no PC, os resultados foram satisfatórios sem quedas ou perdas de dados. Utilizamos o servidor **Fiber Network.**

Ranking Testes de Velocidade V Comparar Planos V Blog V Aplicativo Parcerias V Anúncios Google Enviar comentários Anúncio? Por qué? O Download (Baixar dados) 2 ms Ping Download (Baixar dados) 2 ms Parcerias V Anúncio? Por qué? Anúncio? Por qué?





Fast.com Download: 1.2 Gbps
Upload: 590 Mbps

Avalie: Fiber Connect ☆☆☆☆☆

Servidor: Fiber Network | Manaus

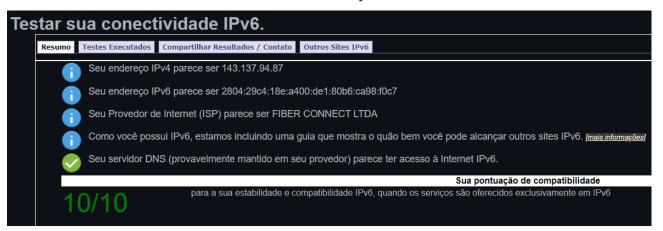
Minha Conexão Download: 953.3 Mbps Upload: 663.4 Mbps



3 - Teste IPV6

Realizamos a verificação do ipv6 e está funcionando normalmente, para obtermos um melhor resultado, terá que ser feito o monitoramento diário com o objetivo de detectar qualquer anormalidade na rede.

Teste de conectividade ipv6



Testes de ping link local e externo do ipv6

```
C:\Windows\System32>ping -6 fe80::17e1:7ce7:b2ad:7ec5%15

Disparando fe80::17e1:7ce7:b2ad:7ec5%15 com 32 bytes de dados:
Resposta de fe80::17e1:7ce7:b2ad:7ec5%15: tempo<1ms

Estatísticas do Ping para fe80::17e1:7ce7:b2ad:7ec5%15:
    Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de perda),

Aproximar um número redondo de vezes em milissegundos:
    Mínimo = 0ms, Máximo = 0ms, Média = 0ms

C:\Windows\System32>ping -6 2804:29c4:18e:a400:3536:d064:7329:7d7

Disparando 2804:29c4:18e:a400:3536:d064:7329:7d7 com 32 bytes de dados:
Resposta de 2804:29c4:18e:a400:3536:d064:7329:7d7: tempo<1ms
Resposta de 2804:29c4:18e:
```



4 - Conclusão

O equipamento está apto nos testes iniciais, para termos certeza de que o equipamento está 100% funcional, o ideal seria utilizar a ONT com o monitoramento diário em uma residência. Com isso podemos detectar possíveis problemas de desempenho na rede caso haja algum, se tudo ocorrer conforme o planejado, o equipamento estará aprovado e homologado.

Os testes com a ferramenta de precisão **EXFO** ficarão disponíveis nas páginas posteriores. Utilizamos nos testes **Base-T Electrical conector RJ45** o cabo **UTP CAT 5E 100% cobre**, o mesmo usado nas instalações. Baseado nos resultados dos testes, recomenda-se utilizar planos de até no máximo 600 MB.



5 - Teste na ferramenta de precisão EXFO cabo LAN CAT 5E

		SPEEDTEST powered		
Job ID: EC97B2A5AA8C		Contractor Name	Contractor Name: FIBER NETWORK	
Customer Name: SM164242-GHDUHR-T21 CV		Operator Name: (Operator Name: CAIQUE	
Circuit ID:		Comment:	Comment:	
RESULTS				
Test Status	Completed	ISP	Fiber Connect Ltda	
Duration	00:00:35	WAN Client IP	143.137.94.87	
Start Time	2023-06-17 08:31:54	Server Name	spetstmns01.timbrasil.com.br	
Stop Time	2023-06-17 08:32:29	Server IP	186.231.31.177	
	Latency	Download	Upload	
	ms	Mbit/s	Mbit/s	
SETTINGS				
SETTINGS Latency Thresho	old	Disabled		
		Disabled Disabled		
Latency Thresho Download Thres	hold			
Latency Thresho Download Thres Upload Threshol	hold	Disabled		
Latency Thresho	hold	Disabled Disabled		
Latency Threshold Download Threshold Threshold Server Selection Connections Interface Type	hold	Disabled Disabled Manual Multi BASE-T Electrical		
Latency Threshold Download Threshold Threshold Server Selection Connections Interface Type Connector	hold d	Disabled Disabled Manual Multi BASE-T Electrical		
Latency Threshold Download Threshold Threshold Server Selection Connections Interface Type Connector Auto-Negotiation	hold d	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled		
Latency Threshold Download Threshold Server Selection Connections Interface Type Connector Auto-Negotiation Speed	hold d	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s		
Latency Threshol Download Threshol Server Selection Connections Interface Type Connector Auto-Negotiation Speed MAC	hold d	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:48	E	
Latency Threshol Download Thres Upload Threshol Server Selection Connections Interface Type Connector Auto-Negotiatior Speed MAC IP Configuration	hold d	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:48 DHCP / 192.168.		
Latency Threshold Download Threshold Threshold Server Selection Connections Interface Type Connector Auto-Negotiation Speed MAC IP Configuration Gateway	hold d	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:44 DHCP / 192.168: 192.168.101.1	E 101.3 / 255.255.255.0	
Latency Threshold Download Threshold Server Selection Connections Interface Type Connector Auto-Negotiation Speed MAC IP Configuration Gateway DNS 1 / DNS 2	hold d n / IP Address / Subnet Mask	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:48 DHCP / 192.168.	E 101.3 / 255.255.255.0	
Latency Threshold Download Threshold Server Selection Connections Interface Type Connector Auto-Negotiation Speed MAC IP Configuration Gateway DNS 1 / DNS 2 DEVICE INFORM.	hold d n / IP Address / Subnet Mask	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:48 DHCP / 192.168. 192.168.101.1	E 101.3 / 255.255.255.0	
Latency Threshol Download Threshol Server Selection Connections Interface Type Connector Auto-Negotiation Speed MAC IP Configuration Gateway DNS 1 / DNS 2 DEVICE INFORM. Device Name	hold d / IP Address / Subnet Mask ATION	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:46 DHCP / 192.168. 192.168.101.1 192.168.101.1 / -	E 101.3 / 255.255.255.0	
Latency Threshol Download Thres Upload Threshol Server Selection Connections Interface Type Connector Auto-Negotiation Speed MAC IP Configuration Gateway DNS 1 / DNS 2 DEVICE INFORM. Device Name Model Number /	hold d / IP Address / Subnet Mask ATION	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:46 DHCP / 192.168. 192.168.101.1 192.168.101.1 /- EX1 EX1 / 1573019	E 101.3 / 255.255.255.0	
Latency Threshol Download Thres Upload Threshol Server Selection Connections Interface Type Connector Auto-Negotiation Speed MAC IP Configuration Gateway DNS 1 / DNS 2 DEVICE INFORM. Device Name Model Number / Client ID	hold d / IP Address / Subnet Mask ATION	Disabled Disabled Manual Multi BASE-T Electrical RJ45 Enabled 1000 Mbit/s 00:03:01:13:EF:46 DHCP / 192.168. 192.168.101.1 192.168.101.1 / -	E 101.3 / 255.255.255.0	



5.1 - Teste na ferramenta de precisão EXFO rede wi-fi 5GHz

2023-06-17 08:41:11 Job ID: EC97B2A5AA8C Customer Name: SM164242-GHDUHR-T21 CV Operator Name: SM164242-GHDUHR-T21 CV Circuit ID: RESULTS Test Status Completed Duration Duration Start Time 2023-06-17 08:40:32 Server Name Stop Time 2023-06-17 08:41:11 Server IP Latency Download SETTINGS Latency Threshold Download Threshold Download Threshold Upload Threshold Disabled Server Selection Manual Connections Multi	lame: FIBER NETWORK		
Customer Name: SM164242-GHDUHR-T21 CV Operator Name: SM164242-GHDUHR-T21 CV Circuit ID: RESULTS Test Status Completed Duration Start Time 2023-06-17 08:40:32 Server Name Stop Time Latency Download SETTINGS Latency Threshold Disabled Download Threshold Upload Threshold Server Selection Operator Name Comment: Comment: RESULTS WAN Client II Server IP Download Download Download Disabled Disabled Disabled Disabled Manual			
Circuit ID: RESULTS Test Status Completed Duration Start Time 2023-06-17 08:40:32 Server Name Stop Time Latency Download SETTINGS Latency Threshold Download Threshold Upload Threshold Server Selection Comment: Comment: RESULTS WAN Client II Server IP Download 543.58 Mbit/s Disabled Disabled Disabled Disabled Disabled Manual	ne. orașe E		
RESULTS Test Status Completed ISP Duration 00:00:39 WAN Client III Start Time 2023-06-17 08:40:32 Server Name Stop Time 2023-06-17 08:41:11 Server IP Latency Download Mbit/s Mbit/s SETTINGS Latency Threshold Disabled Download Threshold Disabled Upload Threshold Disabled Server Selection Manual			
Test Status Completed ISP Duration 00:00:39 WAN Client II Start Time 2023-06-17 08:40:32 Server Name Stop Time 2023-06-17 08:41:11 Server IP Latency Download 543.58 Mbit/s Mbit/s SETTINGS Latency Threshold Disabled Download Threshold Disabled Upload Threshold Disabled Server Selection Manual			
Duration 00:00:39	Fiber Connect Ltda		
Start Time 2023-06-17 08:40:32 Server Name Stop Time 2023-06-17 08:41:11 Server IP Latency Download 543.58 Mbit/s SETTINGS Latency Threshold Disabled Download Threshold Disabled Upload Threshold Disabled Server Selection Manual			
Stop Time 2023-06-17 08:41:11 Server IP Latency Download 543.58 Mbit/s SETTINGS Latency Threshold Disabled Download Threshold Disabled Upload Threshold Disabled Server Selection Manual			
Latency Download 1 ms SETTINGS Latency Threshold Disabled Download Threshold Disabled Upload Threshold Disabled Server Selection Manual	186.231.31.177		
SETTINGS Latency Threshold Download Threshold Upload Threshold Disabled Upload Threshold Server Selection Disabled Manual	180.231.31.177		
Download Threshold Disabled Upload Threshold Disabled Server Selection Manual	Mbit/s		
Upload Threshold Disabled Server Selection Manual			
Server Selection Manual			
Connections Multi	111111111111111111111111111111111111111		
	Wi-Fi		
	SUMEC-A5AA8C-5G		
	EC:97:B2:A5:AA:8D / -		
	5 GHz / 44		
	Excellent (-39 dBm) 866.7 Mbit/s		
Security WPA2-Person			
•	2C:8D:B1:5F:EB:14		
	168.101.4 / 255.255.255.0		
•	192.168.101.1		
	192.168.101.1 /		
DEVICE INFORMATION			
Device Name EX1			
Model Number / Serial Number EX1 / 157301	EX1 / 1573019		
Client ID Generic			
Assembly Hardware Revision / Manufacturing Date C / 2022-02-2	C / 2022-02-24 13:05:38		
Software Version 2.1.53	24 10.00.00		



5.2 - Teste na ferramenta de precisão EXFO rede wi-fi 2.4GHz

2023-06-17 08:4	42:29	SPEEDTEST powered	EXFO	
Job ID: EC97B2A5AA8C		Contractor Nam	e: FIBER NETWORK	
Customer Name: SM164242-GHDUHR-T21 CV		Operator Name: CAIQUE		
Circuit ID:		Comment:		
RESULTS				
Test Status	Completed	ISP	Fiber Connect Ltda	
Duration	00:00:39	WAN Client IP	143.137.94.87	
Start Time	2023-06-17 08:41:50	Server Name	spetstmns01.timbrasil.com.br	
Stop Time	2023-06-17 08:42:29	Server IP	186.231.31.177	
	Latency 2 ms	Download 54.17 Mbit/s	Upload 64.42 Mbit/s	
SETTINGS Latency Thresho		Disabled		
Download Thres		Disabled		
Upload Threshold		Disabled		
Server Selection		Manual		
Connections		Multi		
Interface Type		Wi-Fi		
SSID		SUMEC-A5AA8C		
BSSID / Vendor		EC:97:B2:A5:AA:92 /		
Frequency Band / Channel		2.4 GHz / 11		
Signal Strength		Excellent (-28 dBm)		
Link Speed			144.4 Mbit/s	
Security		WPA2-Personal	WPA2-Personal	
MAC		2C:8D:B1:5F:EB:	2C:8D:B1:5F:EB:14	
IP Configuration / IP Address / Subnet Mask		DHCP / 192.168	DHCP / 192.168.101.4 / 255.255.255.0	
Gateway		192.168.101.1		
DNS 1 / DNS 2		192.168.101.1 /	192.168.101.1 /	
DEVICE INFORMA	ATION			
Device Name		EX1	EX1	
Model Number / Serial Number		EX1 / 1573019	EX1 / 1573019	
Client ID		Generic	Generic	
Assembly Hardware Revision / Manufacturing Date		C / 2022-02-24 1	C / 2022-02-24 13:05:38	
Software Version		2.1.53	2.1.53	