

Ethernet to USB-C Adapter Testing

NOTES

- 1 All tests times between M1 Connection vs ASD -> M1 Connection were conducted at the same time on the same date
- 2 All tests were conducted using Ookla Speedtest between the same two endpoints / servers (i.e., Bell Canada, Toronto -> Bell Canada)
- 3 All test were conducted with Private Relay Off
- 4 The com.apple.driver.usb.cdc.ncm driver having less CPU overhead than the com.apple.DriverKitAppleUserECM driver comes from MacRumors forum
- 5 WIFI was turned off for all testing

	Belkin1 Gbps Sold By Apple				D-Link DUB-E250				Pluggable USBC-E2500				UGreen 25052			
1. Product Details																
1 Product ID	0x8153				0xb301				0x8156				0x8156			
2 Vendor	Realtek				D-Link Corporation				Realtek				Realtek			
3 Version	30.00				31.00				31.04				31.04			
4 Serial Number	CDC739000000				1000001				413000000				4013000001			
5 Manufacturer	Belkin				D-Link Corporation				Pluggable				Realtek			
6 Driver	com.apple.DriverKitAppleUserECM				com.apple.driver.usb.cdc.ncm				com.apple.driver.usb.cdc.ncm				com.apple.driver.usb.cdc.ncm			
7 Chip	8153				RTL8156				8156B(S)G				8156B(S)G			
2. Test Results (M1 Connection)	Date	Time	Download	Upload	Date	Time	Download	Upload	Date	Time	Download	Upload	Date	Time	Download	Upload
1	2024-04-25	9:30 AM	721	795	2024-04-27	1:15 PM	922	861	2024-04-24	7:00 PM	878	832	2024-04-25	5:15 PM	905	820
2	2024-04-25	10:30 AM	902	579	2024-04-27	1:30 PM	927	688	2024-04-24	7:15 PM	829	781	2024-04-25	5:30 PM	898	852
3	2024-04-25	10:45 AM	895	833	2024-04-27	1:45 PM	832	880	2024-04-24	7:30 PM	914	789	2024-04-25	5:45 PM	909	768
4	2024-04-25	1:45 PM	818	792	2024-04-27	2:00 PM	913	879	2024-04-24	10:00 PM	906	843	2024-04-25	6:00 PM	867	796
5	2024-04-25	2:00 PM	888	743	2024-04-27	2:15 PM	924	851	2024-04-24	10:15 PM	791	824	2024-04-25	6:15 PM	846	686
6	2024-04-25	2:30 PM	739	791	2024-04-27	2:30 PM	927	871	2024-04-24	10:30 PM	903	830	2024-04-25	6:45 PM	888	690
7	2024-04-25	2:45 PM	899	743	2024-04-27	2:45 PM	924	866	2024-04-24	10:45 PM	900	780	2024-04-25	7:00 PM	835	777
8	2024-04-25	3:00 PM	897	802	2024-04-27	3:00 PM	753	730	2024-04-25	4:30 AM	834	816	2024-04-25	7:15 PM	857	736
9	2024-04-25	3:30 PM	891	849	2024-04-27	3:15 PM	926	863	2024-04-25	4:45 AM	794	770	2024-04-25	7:30 PM	843	654
10	2024-04-25	3:45 PM	836	815	2024-04-27	5:30 PM	874	852	2024-04-25	5:00 AM	901	832	2024-04-25	7:45 PM	844	834
11	2024-04-25	4:00 PM	908	848	2024-04-27	5:45 PM	906	857	2024-04-25	5:15 AM	844	777	2024-04-25	9:00 PM	871	638
12	2024-04-25	4:15 PM	906	778	2024-04-27	6:00 PM	916	799	2024-04-25	7:30 AM	801	779	2024-04-25	9:15 PM	870	815
13	2024-04-25	4:30 PM	905	825	2024-04-27	6:15 PM	929	810	2024-04-25	8:30 AM	890	844	2024-04-25	9:30 PM	841	601
14	2024-04-25	4:45 PM	868	720	2024-04-27	6:30 PM	904	747	2024-04-25	8:45 AM	819	541	2024-04-25	10:00 PM	887	771
15	2024-04-25	5:00 PM	868	837	2024-04-27	6:45 PM	919	847	2024-04-25	9:00 AM	887	585	2024-04-25	10:30 PM	895	751
Average			862.73	783.33			899.73	826.73			869.40	774.87			870.40	745.93
Max - Min			181.00	270.00			174.00	192.00			123.00	73.00			74.00	198.00
Standard Deviation			59.99	68.79			48.08	59.84			44.95	90.30			25.34	76.44
3. Test Results (ASD ~ M1 Connection)	Date	Time	Download	Upload	Date	Time	Download	Upload	Date	Time	Download	Upload	Date	Time	Download	Upload
1	2024-04-25	9:30 AM	560	617	2024-04-27	1:15 PM	935	766	2024-04-24	7:00 PM	911	814	2024-04-25	5:15 PM	848	719
2	2024-04-25	10:30 AM	577	609	2024-04-27	1:30 PM	927	837	2024-04-24	7:15 PM	816	801	2024-04-25	5:30 PM	723	795
3	2024-04-25	10:45 AM	570	614	2024-04-27	1:45 PM	730	694	2024-04-24	7:30 PM	907	801	2024-04-25	5:45 PM	901	669
4	2024-04-25	1:45 PM	549	620	2024-04-27	2:00 PM	901	750	2024-04-24	10:00 PM	729	774	2024-04-25	6:00 PM	688	759
5	2024-04-25	2:00 PM	596	626	2024-04-27	2:15 PM	676	757	2024-04-24	10:15 PM	834	809	2024-04-25	6:15 PM	864	573
6	2024-04-25	2:30 PM	537	637	2024-04-27	2:30 PM	929	808	2024-04-24	10:30 PM	903	701	2024-04-25	6:45 PM	638	819
7	2024-04-25	2:45 PM	588	518	2024-04-27	2:45 PM	929	820	2024-04-24	10:45 PM	854	839	2024-04-25	7:00 PM	723	699
8	2024-04-25	3:00 PM	598	501	2024-04-27	3:00 PM	926	853	2024-04-25	4:30 AM	898	713	2024-04-25	7:15 PM	651	850
9	2024-04-25	3:30 PM	570	605	2024-04-27	3:15 PM	925	858	2024-04-25	4:45 AM	822	830	2024-04-25	7:30 PM	896	748
10	2024-04-25	3:45 PM	550	594	2024-04-27	5:30 PM	887	748	2024-04-25	5:00 AM	894	827	2024-04-25	7:45 PM	777	833
11	2024-04-25	4:00 PM	542	561	2024-04-27	5:45 PM	930	863	2024-04-25	5:15 AM	906	835	2024-04-25	9:00 PM	875	715
12	2024-04-25	4:15 PM	527	560	2024-04-27	6:00 PM	929	846	2024-04-25	7:30 AM	901	861	2024-04-25	9:15 PM	900	847
13	2024-04-25	4:30 PM	507	550	2024-04-27	6:15 PM	885	794	2024-04-25	8:30 AM	766	649	2024-04-25	9:30 PM	892	724
14	2024-04-25	4:45 PM	594	628	2024-04-27	6:30 PM	914	685	2024-04-25	8:45 AM	821	827	2024-04-25	10:00 PM	910	755
15	2024-04-25	5:00 PM	612	624	2024-04-27	6:45 PM	870	812	2024-04-25	9:00 AM	788	823	2024-04-25	10:30 PM	844	817
Average			565.00	590.93			886.20	792.73			850.00	797.53			808.67	754.80
Max - Min			105.00	136			259.00	178			182.00	212			272.00	277
Standard Deviation			29.67	42.55			77.64	57.41			58.77	62.10			98.63	75.92