

No.	Time	Source	Destination	Protocol	Length	Info
16176	91.431733	HonHaiPr_a0:21:f5	IntelCor_66:fa:df	ARP	60	Who has 10.10.151.222? Tell 10.10.162.246
16177	91.436286	10.10.150.185	224.0.0.251	MDNS	103	Standard query 0x003a PTR _233637DE._sub._googlecast._tcp.lo
16178	91.445932	10.10.160.1	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
16179	91.449140	10.10.150.78	10.255.255.255	UDP	305	54915 → 54915 Len=263
16180	91.461426	10.10.150.182	224.0.0.251	MDNS	103	Standard query 0x0041 PTR _233637DE._sub._googlecast._tcp.lo
16181	91.469677	10.10.202.7	10.255.255.255	UDP	594	53246 → 3490 Len=552
16182	91.469677	10.10.150.237	224.0.0.251	MDNS	126	Standard query 0x0000 ANY Android-86.local, "QM" question AN
16183	91.472508	Zhejiang_8c:fc:ed	IntelCor_66:fa:df	ARP	60	Gratuitous ARP for 192.168.5.150 (Reply)
16184	91.476729	fe80::dbb0:ad56:efc...	ff02::fb	MDNS	146	Standard query 0x0000 ANY Android-86.local, "QM" question AN
16185	91.477086	fe80::3eef:8cff:fe8...	ff02::1	ICMPv6	86	Neighbor Advertisement 2001:250:3000:1::1:2 (ovr) is at 3c:et
16186	91.482073	192.168.2.1	239.255.255.250	SSDP	311	NOTIFY * HTTP/1.1

> Frame 1: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF\_{0DDCE279-1D6F-490A-BCFD-94CD01FDA629}, id 0  
 > Ethernet II, Src: Microsof\_1f:ce:01 (00:15:5d:1f:ce:01), Dst: IntelCor\_66:fa:df (a4:c3:f0:66:fa:df)  
 > Address Resolution Protocol (request)

```

0000  a4 c3 f0 66 fa df 00 15 5d 1f ce 01 08 06 00 01  ...f... ].....
0010  08 00 06 04 00 01 00 15 5d 1f ce 01 0a 0a 5a 26  ....Z&
0020  00 00 00 00 00 00 0a 0a 0a dd 00 00 00 00 00 00  .....
0030  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  .....

```

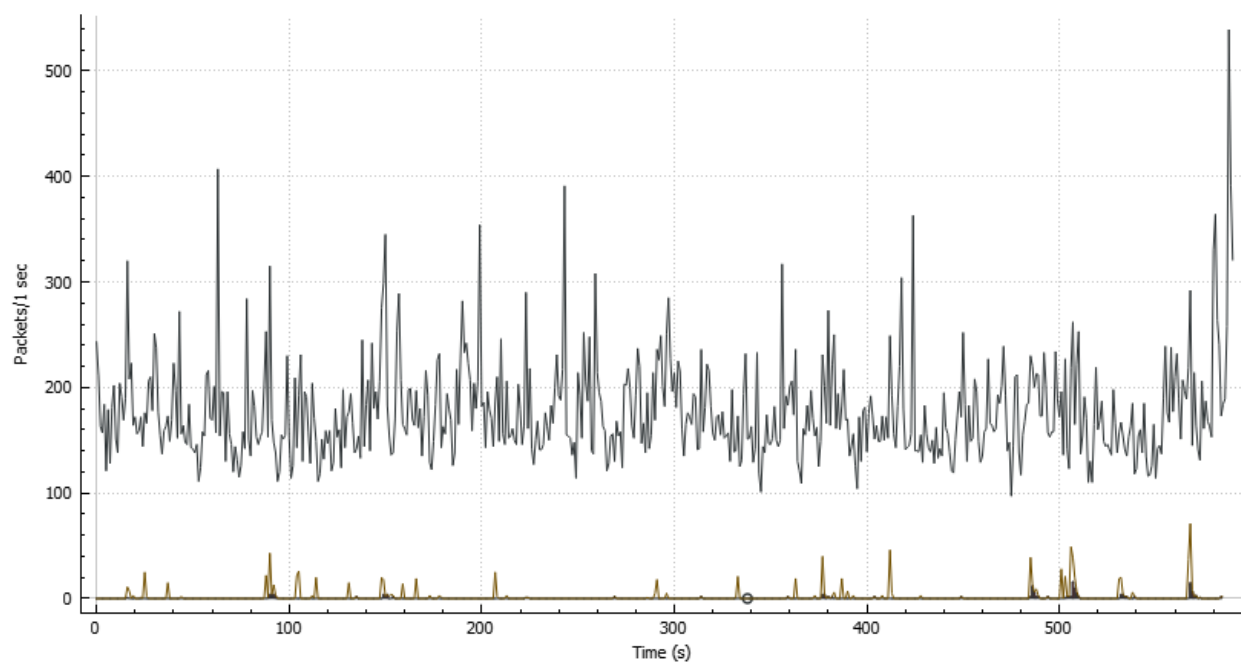
Filter Name	Filter Expression
Ethernet address 00:00:5e:00:53:00	eth.addr == 00:00:5e:00:53:00
Ethernet type 0x0806 (ARP)	eth.type == 0x0806
Ethernet broadcast	eth.addr == ff:ff:ff:ff:ff:ff
No ARP	not arp
IPv4 only	ip
IPv4 address 192.0.2.1	ip.addr == 192.0.2.1
IPv4 address isn't 192.0.2.1 (don't use != for this!)	!(ip.addr == 192.0.2.1)
IPv6 only	ipv6
IPv6 address 2001:db8::1	ipv6.addr == 2001:db8::1
TCP only	tcp
UDP only	udp
Non-DNS	!(udp.port == 53    tcp.port == 53)
TCP or UDP port is 80 (HTTP)	tcp.port == 80    udp.port == 80
HTTP	http
No ARP and no DNS	not arp and !(udp.port == 53)
Non-HTTP and non-SMTP to/from 192.0.2.1	ip.addr == 192.0.2.1 and tcp.port not in {80, 25}

Protocol	Percent Packets	Packets	Percent Bytes	Bytes	Bits/s	End Packets	End Bytes	End Bits/s
▼ Frame	100.0	492	100.0	194034	4243	0	0	0
▼ Ethernet	100.0	492	3.5	6888	150	0	0	0
▼ Internet Protocol Version 4	100.0	492	5.1	9840	215	0	0	0
▼ Transmission Control Protocol	100.0	492	91.1	176688	3864	312	112764	2466
Transport Layer Security	35.4	174	75.7	146859	3211	174	146859	3211
Data	1.2	6	0.0	6	0	6	6	0



Ethernet · 651	IPv4 · 629		IPv6 · 512		TCP · 36	UDP · 7871	
Address ^	Packets	Bytes	Tx Packets	Tx Bytes	Rx Packets	Rx Bytes	
00:01:6c:96:d6:92	57	3603	57	3603	0		
00:14:5e:45:f9:31	24	2379	24	2379	0		
00:15:5d:0f:3f:01	237	14 k	237	14 k	0		
00:15:5d:0f:3f:0a	4	423	4	423	0		
00:15:5d:13:01:05	2	120	2	120	0		
00:15:5d:13:01:0a	5	483	5	483	0		
00:15:5d:1f:ce:00	14	1023	14	1023	0		
00:15:5d:1f:ce:01	1,805	108 k	1,805	108 k	0		
00:15:5d:1f:ce:03	13	988	13	988	0		
00:15:5d:5f:3f:01	564	34 k	564	34 k	0		
00:15:5d:5f:3f:05	491	29 k	491	29 k	0		
00:15:5d:f0:b8:01	2	303	2	303	0		
00:15:5d:f0:b8:02	105	7745	105	7745	0		
00:15:5d:f0:b8:05	1	60	1	60	0		
00:17:7c:5b:1b:5d	622	181 k	622	181 k	0		
00:18:fe:1e:54:e0	1	60	1	60	0		
00:18:fe:5b:31:80	1	60	1	60	0		
00:1c:2e:47:b4:20	1	60	1	60	0		
00:1d:92:3b:a3:aa	39	5060	39	5060	0		
00:1f:d0:44:d3:11	2,551	155 k	2,551	155 k	0		
00:1f:d0:be:a4:60	2	120	2	120	0		
00:21:5e:26:97:04	1,583	95 k	1,571	94 k	12		
00:21:5e:26:97:06	266	16 k	266	16 k	0		
00:45:e2:70:84:bf	18	3592	18	3592	0		

Wireshark I/O Graphs: Wi-Fi



No packets in interval (366s).

Enabled	Graph Name	Display Filter	Color	Style	Y Axis	Y Field	SMA Period	Y
<input checked="" type="checkbox"/>	Filtered packets	tcp		Line	Packets		None	1

Topic / Item	Count	Average	Min Val	Max Val	Rate (ms)	Percent	Burst Rate	Burst Start
▼ All Addresses	62356				0.0869	100%	0.2400	0.937
ff02::1	6				0.0000	0.01%	0.0100	93.153
8.8.8.8	47				0.0001	0.08%	0.2600	90.660
51.116.253.170	22				0.0000	0.04%	0.0600	16.544
40.79.189.58	27				0.0000	0.04%	0.0900	610.862
255.255.255.255	2629				0.0037	4.22%	0.1000	1.382
239.255.255.253	36				0.0001	0.06%	0.0100	17.769
239.255.255.251	91				0.0001	0.15%	0.0200	717.001
239.255.255.250	16920				0.0236	27.13%	0.1700	714.576
239.255.102.18	111				0.0002	0.18%	0.0200	17.792
239.192.152.143	129				0.0002	0.21%	0.0300	138.795
239.0.208.0	151				0.0002	0.24%	0.0200	57.355
232.44.44.233	91				0.0001	0.15%	0.0200	716.643
224.77.77.77	104				0.0001	0.17%	0.0200	72.231
224.7.7.7	119				0.0002	0.19%	0.0200	716.668
224.2.2.2	63				0.0001	0.10%	0.0200	711.059
224.0.1.60	60				0.0001	0.10%	0.0200	714.798
224.0.1.187	118				0.0002	0.19%	0.0200	138.773
224.0.1.129	61				0.0001	0.10%	0.0200	712.800
224.0.0.9	21				0.0000	0.03%	0.0100	18.026
224.0.0.253	60				0.0001	0.10%	0.0200	716.732

## Wireshark · Destinations and Ports · Wi-Fi

Topic / Item	Count	Average	Min Val	Max Val	Rate (ms)	Percent	Burst Rate	Burst Start
▼ Destinations and Ports	65733				14.1455	100%	0.1800	760.884
▼ ff02::1	6				0.0013	0.01%	0.0100	93.153
▼ UDP	6				0.0013	100.00%	0.0100	93.153
3544	6				0.0013	100.00%	0.0100	93.153
▼ 8.8.8.8	24				0.0052	0.04%	0.1200	90.663
▼ UDP	10				0.0022	41.67%	0.0800	90.632
443	10				0.0022	100.00%	0.0800	90.632
▼ TCP	14				0.0030	58.33%	0.0400	90.640
443	14				0.0030	100.00%	0.0400	90.640
▼ 51.116.253.170	12				0.0026	0.02%	0.0200	16.422
▼ TCP	12				0.0026	100.00%	0.0200	16.422
443	12				0.0026	100.00%	0.0200	16.422
▼ 40.79.189.58	14				0.0030	0.02%	0.0300	610.887
▼ TCP	14				0.0030	100.00%	0.0300	610.887
443	14				0.0030	100.00%	0.0300	610.887
▼ 255.255.255.255	2734				0.5883	4.16%	0.0600	759.338
▼ UDP	2734				0.5883	100.00%	0.0600	759.338
796	151				0.0325	5.52%	0.0300	396.229
67	367				0.0790	13.42%	0.0300	143.621
5050	486				0.1046	17.78%	0.6000	703.303
3956	748				0.1610	27.36%	0.0200	763.077
3490	139				0.0299	5.08%	0.0200	216.622
3289	4				0.0009	0.15%	0.0200	1.417
22222	8				0.0017	0.29%	0.0400	1.417
1947	81				0.0174	2.96%	0.0200	762.048
17500	243				0.0523	8.89%	0.1200	759.338
161	44				0.0095	1.61%	0.0200	6.799
137	295				0.0635	10.79%	0.0200	758.838
1053	163				0.0351	5.96%	0.0300	396.229
10004	5				0.0011	0.18%	0.0300	1.417

## Wireshark · IP Protocol Types · Wi-Fi

Topic / Item	Count	Average	Min Val	Max Val	Rate (ms)	Percent	Burst Rate	Burst Start
▼ IP Protocol Types	71400				0.0867	100%	0.6700	40.966
UDP	59091				0.0718	82.76%	0.6400	40.966
TCP	1457				0.0018	2.04%	0.3100	90.661
NONE	10852				0.0132	15.20%	0.6000	17.730

Topic / Item	Count	Average	Min Val	Max Val	Rate (ms)	Percent	Burst Rate	Burst Start
▼ Source IPv4 Addresses	75759				0.0873	100%	0.6600	865.022
8.8.8.8	23				0.0000	0.03%	0.1400	90.660
51.116.253.170	10				0.0000	0.01%	0.0400	16.544
40.79.189.58	13				0.0000	0.02%	0.0600	610.862
216.58.203.10	30				0.0000	0.04%	0.1000	640.842
216.58.196.78	9				0.0000	0.01%	0.0600	90.778
216.58.196.67	30				0.0000	0.04%	0.0900	592.103
216.58.196.66	31				0.0000	0.04%	0.1300	377.358
216.239.34.181	25				0.0000	0.03%	0.1000	506.995
2001:0:2851:fc0:2892:2893:8a01:45e2 4	4				0.0000	0.01%	0.0100	93.153
2001:0:2851:fc0:1ca6:186a:8a01:45e2 4	4				0.0000	0.01%	0.0100	130.439
20.44.229.112	129				0.0001	0.17%	0.0700	412.760
20.212.96.199	9				0.0000	0.01%	0.0500	114.176
20.198.119.84	1				0.0000	0.00%	0.0100	428.231
▼ Destination IPv4 Addresses	75759				0.0873	100%	0.6600	865.022
ff02::1	8				0.0000	0.01%	0.0100	93.153
8.8.8.8	24				0.0000	0.03%	0.1200	90.663
51.116.253.170	12				0.0000	0.02%	0.0200	16.422
49.44.59.36	2				0.0000	0.00%	0.0100	833.203
40.79.189.58	14				0.0000	0.02%	0.0300	610.887
255.255.255.255	3118				0.0036	4.12%	0.0200	0.000
239.255.255.253	51				0.0001	0.07%	0.0200	867.294
239.255.255.251	111				0.0001	0.15%	0.0200	865.032
239.255.255.250	20462				0.0236	27.01%	0.1100	863.623

Topic / Item	Count	Average	Min Val	Max Val	Rate (ms)	Percent	Burst Rate	Burst Start
▼ Total Packets	20				0.0000	100%	0.0200	16.240
▼ rcode	20				0.0000	100.00%	0.0200	16.240
No error	20				0.0000	100.00%	0.0200	16.240
▼ opcodes	20				0.0000	100.00%	0.0200	16.240
Standard query	20				0.0000	100.00%	0.0200	16.240
▼ Query/Response	20				0.0000	100.00%	0.0200	16.240
Response	10				0.0000	50.00%	0.0100	16.249
Query	10				0.0000	50.00%	0.0100	16.240
▼ Query Type	20				0.0000	100.00%	0.0200	16.240
A (Host Address)	20				0.0000	100.00%	0.0200	16.240
▼ Class	20				0.0000	100.00%	0.0200	16.240
IN	20				0.0000	100.00%	0.0200	16.240
▼ Service Stats	0				0.0000	100%	-	-
request-response time (msec)	10	13.49	4.362000	38.551998	0.0000		0.0100	16.249
no. of unsolicited responses	0				0.0000		-	-
no. of retransmissions	0				0.0000		-	-
▼ Response Stats	0				0.0000	100%	-	-
no. of questions	20	1.00	1	1	0.0000		0.0200	16.249
no. of authorities	20	0.00	0	0	0.0000		0.0200	16.249
no. of answers	20	3.40	2	12	0.0000		0.0200	16.249
no. of additionals	20	0.00	0	0	0.0000		0.0200	16.249
▼ Query Stats	0				0.0000	100%	-	-
Qname Len	10	23.90	10	34	0.0000		0.0100	16.240
▼ Label Stats	0				0.0000		-	-
4th Level or more	3				0.0000		0.0100	16.240
3rd Level	6				0.0000		0.0100	88.219
2nd Level	1				0.0000		0.0100	90.595
1st Level	0				0.0000		-	-
Payload size	20	90.85	28	312	0.0000	100%	0.0200	16.240

