

# EWS357AP



# EWS357AP Product Highlights



- Dual Concurrent 802.11ax architecture & backward-compatible with 11ac/a/b/g/n client devices
  - WPA3 & WPA2-AES authentication support
  - 3dBi integrated 2x2 antenna
  - Supports up to 1,200Mbps in 5GHz frequency band & 574Mbps in 2.4GHz frequency band
  - Local and remote management over EWS management switches & ezMaster without fees
  - 1GB 802.3at PoE port for easy placement up to 328 feet from a power source
  - Choice of AP, AP mesh, or mesh operation modes to meet your management & deployment requirements
-



Ix Chariot



Gigabit Switch

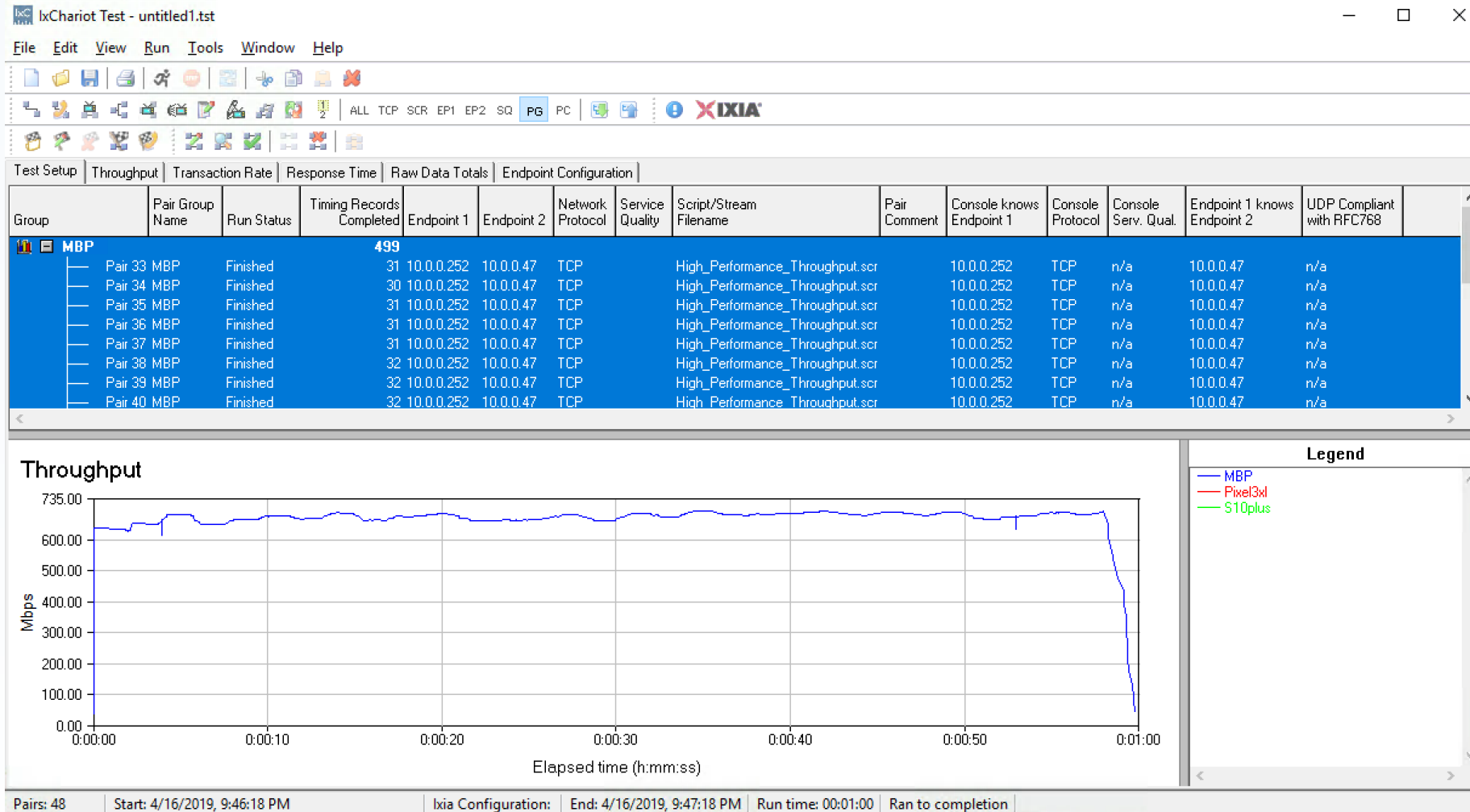


EWS357AP



MacBookPro  
3T3R

# EWS357AP 802.11ax, 2T2R, 574Mbps + 1200Mbps



Disable Wi-Fi Logging  
 Create Diagnostics Report...  
 Open Wireless Diagnostics...

Wi-Fi: Looking for Networks...  
 Turn Wi-Fi Off

✓ EWS375AP\_5G

Disconnect from EWS375AP\_5G

IP Address: 10.0.0.47  
 Router: 10.0.0.254  
 Security: WPA2 Personal  
 BSSID: 88:dc:96:79:3a:1b  
 Channel: 52 (DFS, 5 GHz, 80 MHz)  
 Country Code: TH  
 RSSI: -36 dBm  
 Noise: -92 dBm  
 Tx Rate: 867 Mbps  
 PHY Mode: 802.11ac  
 MCS Index: 9



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Gigabit Switch



EWS357AP



Samsung S10+  
2T2R 802.11ax



# EWS357AP 802.11ax, 2T2R, 574Mbps + 1200Mbps



lxChariot Test - untitled1.tst

File Edit View Run Tools Window Help

ALL TCP SCR EP1 EP2 SQ PG PC XIXIA

Test Setup | Throughput | Transaction Rate | Response Time | Raw Data Totals | Endpoint Configuration

Group	Pair Group Name	Run Status	Timing Records Completed	Endpoint 1	Endpoint 2	Network Protocol	Service Quality	Script/Stream Filename	Pair Comment	Console knows Endpoint 1	Console Protocol	Console Serv. Qual.	Endpoint 1 knows Endpoint 2	UDP Compliant with RFC768
MBP			0											
Pixel3xl			0											
S10plus			570											
	Pair 65 S10plus	Finished	36	10.0.0.252	10.0.0.65	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.65	n/a
	Pair 66 S10plus	Finished	35	10.0.0.252	10.0.0.65	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.65	n/a
	Pair 67 S10plus	Finished	36	10.0.0.252	10.0.0.65	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.65	n/a
	Pair 68 S10plus	Finished	35	10.0.0.252	10.0.0.65	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.65	n/a
	Pair 69 S10plus	Finished	36	10.0.0.252	10.0.0.65	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.65	n/a
	Pair 70 S10plus	Finished	36	10.0.0.252	10.0.0.65	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.65	n/a

**Throughput**

Legend

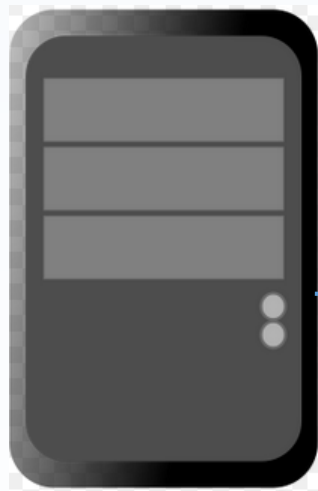
- MBP
- Pixel3xl
- S10plus
- S8plus

Pairs: 64 | Start: 4/16/2019, 10:06:10 PM | Ixia Configuration: | End: 4/16/2019, 10:07:10 PM | Run time: 00:01:00 | Ran to completion

10:08 WiFi Overview 360 Pro

WIFI SCANNER | WI-FI INFO | CH. CHECK | CH. RADA

SSID: EWS375AP\_5G  
 BSSID: 88:dc:96:79:3a:1b  
 MAC: A8:DB:03:58:32:1C  
 Manufacturer: Senao Networks  
 Dist.: 0.12 meter  
 WiFi speed: 1200 Mbps  
 WiFi strength: -32 dBm  
 Encryption: WPA2  
 Channel: 52 (58)  
 (center channel)  
 Frequency: 5260 (5290) MHz  
 (center frequency)  
 Ch. width: 80 MHz (5250-5330 MHz)  
 IP: 10.0.0.65 (IPv4)  
 fe80::f679:ea94:9186:d9d0 (IPv6)  
 Netmask: 0.0.0.0  
 Gateway: 10.0.0.254  
 DHCP-Server: 10.0.0.254  
 DNS1: 8.8.8.8  
 DNS2: 0.0.0.0  
 DHCP lease: 00:10:00 (hh:mm:ss)  
 External IP: Can not get external IP (IPv4)  
 Can not get external IP (IPv6)



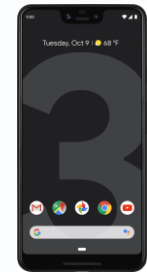
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EWS357AP



Pixel 3XL



# EWS357AP 802.11ax, 2T2R, 574Mbps + 1200Mbps



ixChariot Test - untitled1.tst

File Edit View Run Tools Window Help

ALL TCP SCR EP1 EP2 SQ PG PC

Test Setup | Throughput | Transaction Rate | Response Time | Raw Data Totals | Endpoint Configuration

Group	Pair Group Name	Run Status	Timing Records Completed	Endpoint 1	Endpoint 2	Network Protocol	Service Quality	Script/Stream Filename	Pair Comment	Console knows Endpoint 1	Console Protocol	Console Serv. Qual.	Endpoint 1 knows Endpoint 2	UDP Compliant with RFC768
<b>MBP</b>			<b>0</b>											
<b>Pixel3xl</b>			<b>336</b>											
Pair 9	Pixel3xl	Finished	21	10.0.0.252	10.0.0.52	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.52	n/a
Pair 10	Pixel3xl	Finished	21	10.0.0.252	10.0.0.52	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.52	n/a
Pair 11	Pixel3xl	Finished	21	10.0.0.252	10.0.0.52	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.52	n/a
Pair 12	Pixel3xl	Finished	21	10.0.0.252	10.0.0.52	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.52	n/a
Pair 13	Pixel3xl	Finished	21	10.0.0.252	10.0.0.52	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.52	n/a
Pair 14	Pixel3xl	Finished	21	10.0.0.252	10.0.0.52	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.52	n/a
Pair 15	Pixel3xl	Finished	21	10.0.0.252	10.0.0.52	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.52	n/a

**Throughput**

Legend

- MBP
- Pixel3xl
- S10plus
- S8plus

Pairs: 56 | Start: 4/16/2019, 10:15:40 PM | Ixia Configuration: | End: 4/16/2019, 10:16:40 PM | Run time: 00:01:00 | Ran to completion

10:13 49%

WiFi Overview 360 Pro

WIFI SCANNER | **WI-FI INFO** | CH. CHECK | CH. RAD

dBm: -32, channel: 52 (58)

Time: 00:00:06

SSID: **EWS375AP\_5G**

BSSID: 88:dc:96:79:3a:1b

MAC: 3C:28:6D:CD:55:FC

Manufacturer: Senao Networks

Dist.: 0.44 meter

WiFi speed: 780 Mbps

WiFi strength: -32 dBm

Encryption: WPA2

Channel: 52 (58)  
(center channel)

Frequency: 5260 (5290) MHz  
(center frequency)

Ch. width: 80 MHz (5250-5330 MHz)

IP: 10.0.0.52 (IPv4)  
fe80::8cbc:86ff:fe3:9745 (IPv6)

Netmask: 0.0.0.0

Gateway: 10.0.0.254

DHCP-Server: 10.0.0.254

DNS1: 8.8.8.8

DNS2: 0.0.0.0

DHCP lease: 00:10:00 (hh:mm:ss)

External IP: Can not get external IP (IPv4)  
Can not get external IP (IPv6)



Ix Chariot



Gigabit Switch



EWS357AP



Samsung S8+  
2T2R 802.11ac

lxChariot Test - untitled1.tst

File Edit View Run Tools Window Help

ALL TCP SCR EP1 EP2 SQ PG PC XIXIA

Group	Pair Group Name	Run Status	Timing Records Completed	Endpoint 1	Endpoint 2	Network Protocol	Service Quality	Script/Stream Filename	Pair Comment	Console knows Endpoint 1	Console Protocol	Console Serv. Qual.	Endpoint 1 knows Endpoint 2	UDP Compliant with RFC768
<b>S8plus</b>			<b>215</b>											
	Pair 57 S8plus	Error: CHR0453	1	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a
	Pair 58 S8plus	Error: CHR0453	52	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a
	Pair 59 S8plus	Error: CHR0453	39	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a
	Pair 60 S8plus	Error: CHR0453	55	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a
	Pair 61 S8plus	Error: CHR0453	53	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a
	Pair 62 S8plus	Error: CHR0453	1	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a
	Pair 63 S8plus	Error: CHR0453	13	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a
	Pair 64 S8plus	Error: CHR0245	1	10.0.0.252	10.0.0.78	TCP		High_Performance_Throughput.scr		10.0.0.252	TCP	n/a	10.0.0.78	n/a

### Throughput

Elapsed time (h:mm:ss)

### Legend

- MBP
- Pixel3xl
- S10plus
- S8plus

Pairs: 56 | Start: 4/16/2019, 10:11:09 PM | Ixia Configuration: | End: 4/16/2019, 10:11:38 PM | Run time: 00:00:29 | Error detected

Thank you.

N.V.K. Inter Co.,Ltd.

