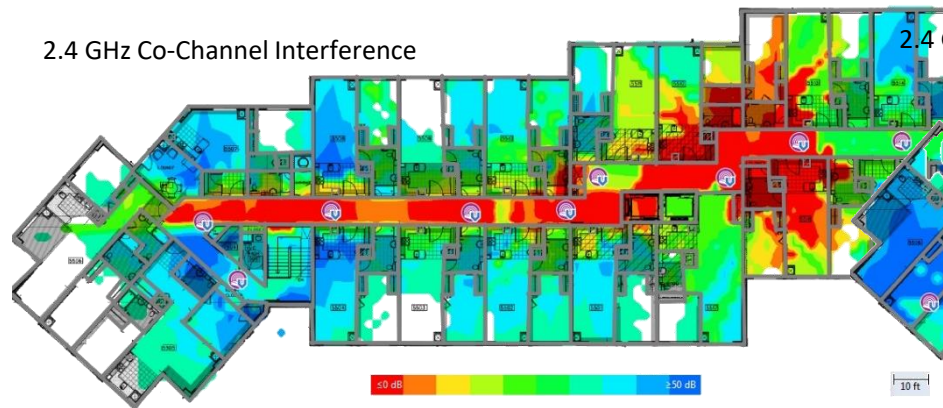
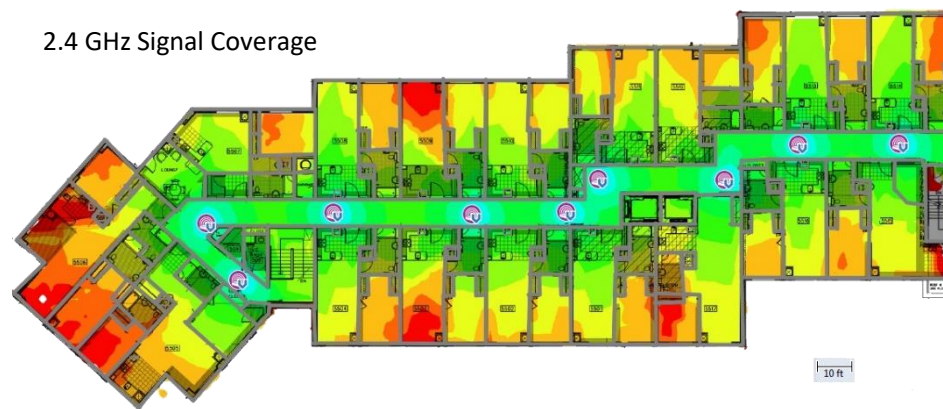


New Product

EWS511AP

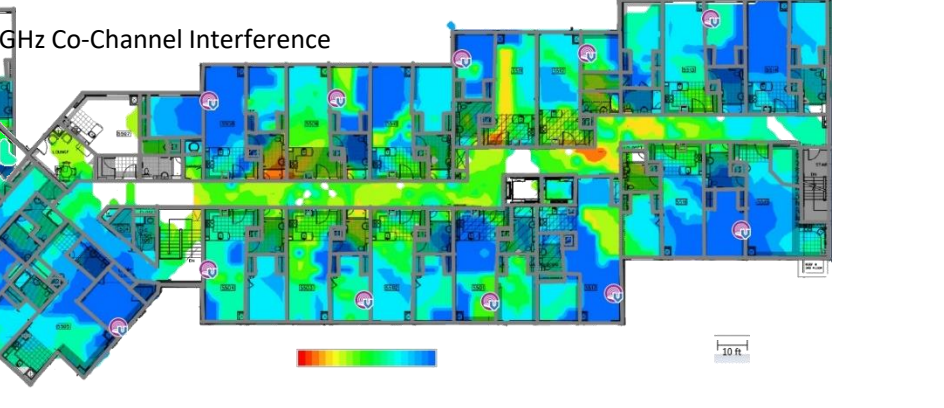
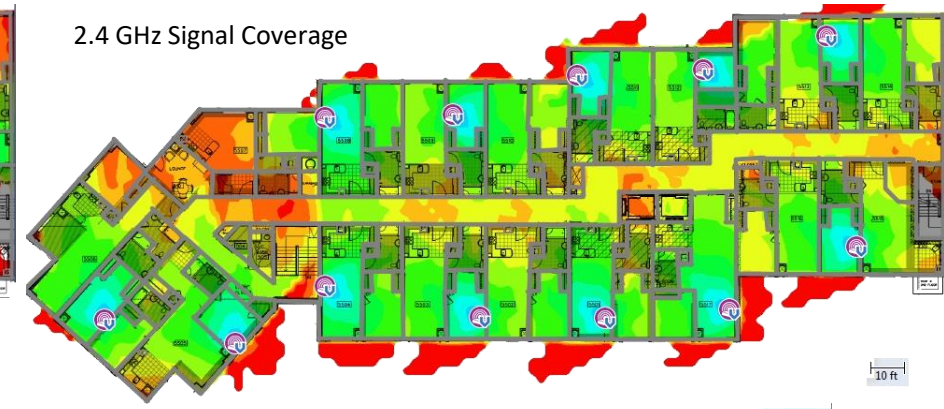
- Dual Band AC750 support up to 433 Mbps in 5GHz frequency band and 300 Mbps in 2.4GHz frequency band
- 5GHz 802.11 ac 1x1 and 2.4GHz 802.11 n 2x2 MIMO is backwards compatible with 802.11 b/g
- Support 802.11ac Wave 2.0 technology
- Compliance with 802.3af/Proprietary 48V-54V PoE Input for flexible installation
- The 2nd Ethernet port to extend wireless signal to networking devices

APs Deployed in Hallways



- Significant coverage problems
- Significant self-interference at APs (impacts upstream traffic)

APs Deployed in Rooms



- Strong coverage in rooms where devices are used
- Minimal self-interference

EWS511AP



EWS511AP Throughput test

10.0.0.182

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 Con
All Pairs			70						
	Pair 1 No Group	Finished	17	10.0.0.182	10.0.0.14	TCP		High_Performance_Throughput.scr	ews
	Pair 2 No Group	Finished	18	10.0.0.182	10.0.0.14	TCP		High_Performance_Throughput.scr	ews
	Pair 3 No Group	Finished	18	10.0.0.182	10.0.0.14	TCP		High_Performance_Throughput.scr	ews
	Pair 4 No Group	Finished	17	10.0.0.182	10.0.0.14	TCP		High_Performance_Throughput.scr	ews

Interface Name: en0
Address: [redacted]
Enable Wi-Fi Logging
Create Diagnostics Report...
Open Wireless Diagnostics...

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

EWS511AP

Disconnect from EWS511AP

IP Address: 10.0.0.14
Router: 10.0.0.254
Security: WPA2 Personal
BSSID: 88:dc:96:6c:10:5c
Channel: 100 (DFS, 5 GHz, 80 MHz)
Country Code: NL
RSSI: -33 dBm
Noise: -92 dBm
Tx Rate: 434 Mbps
PHY Mode: 802.11ac
MCS Index: 9

435a9e

Adul Binki

Dark Knight Rises

ENS610EXT24

ENS610EXT5

iot

iot24

iot5

KRISANA

Mi24G

Mi5G

nadim

nvk

Panadda1

PHONE2544_2.4G

true_home5G_512

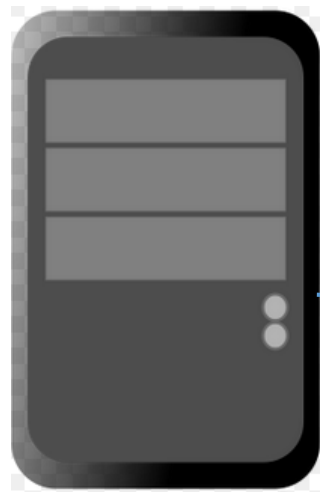
Throughput

Elapsed time (h:mm:ss)

Legend

— All Pairs

EWS511AP



Ix Chariot



Gigabit Switch



5G 80MHz



2T2R
MU-MIMO

EWS511AP s8plus throughput test

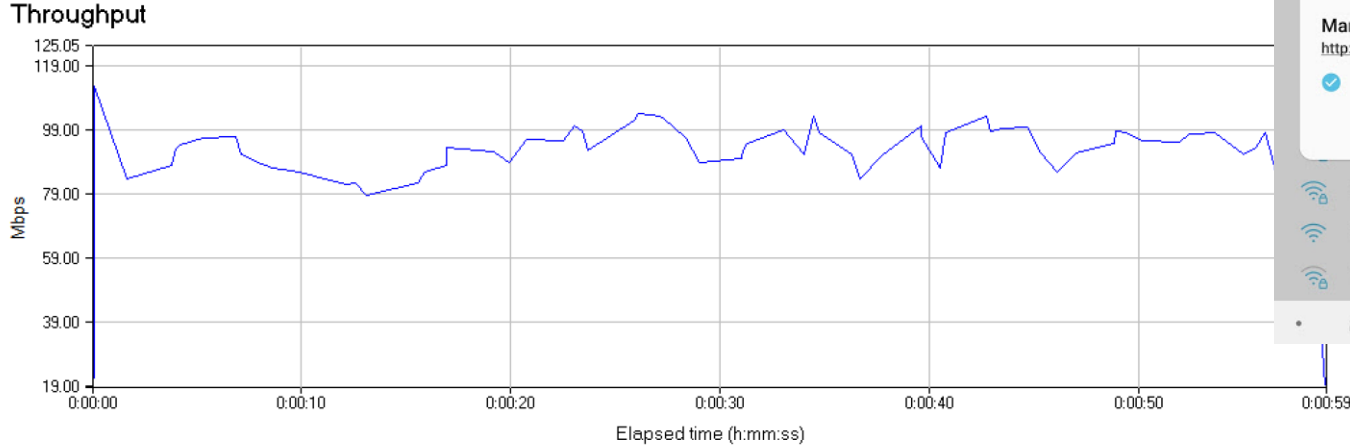
File Edit View Run Tools Window Help

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
All Pairs			68								
	Pair 1 No Group	Finished	17	10.0.0.182	10.0.0.9	TCP		High_Performance_Throughput.scr	ews511apt_s8plus	10.0.0.182	TCP
	Pair 2 No Group	Finished	17	10.0.0.182	10.0.0.9	TCP		High_Performance_Throughput.scr	ews511apt_s8plus	10.0.0.182	TCP
	Pair 3 No Group	Finished	18	10.0.0.182	10.0.0.9	TCP		High_Performance_Throughput.scr	ews511apt_s8plus	10.0.0.182	TCP
	Pair 4 No Group	Finished	16	10.0.0.182	10.0.0.9	TCP		High_Performance_Throughput.scr	ews511apt_s8plus	10.0.0.182	TCP

Throughput



Elapsed time (h:mm:ss)

Pairs: 4 | Start: 4/8/2018, 9:24:20 PM | Ixia Configuration: | End: 4/8/2018, 9:25:20 PM | Run time: 00:01:00 | Ran to completion

Wi-Fi Wi-Fi Direct ADVANCED

ON

CURRENT NETWORK

EWS511AP

Network speed
433Mbps

Security
WPA2 PSK

IP address
10.0.0.9

Manage router
<http://10.0.0.254>

Auto reconnect

CANCEL FORGET

ENS610EXT5

nadim

162/20#2

ews511ap



Ix Chariot



Gigabit Switch



MacBookPro
3T3R



EWS511AP MBP LAN throughput

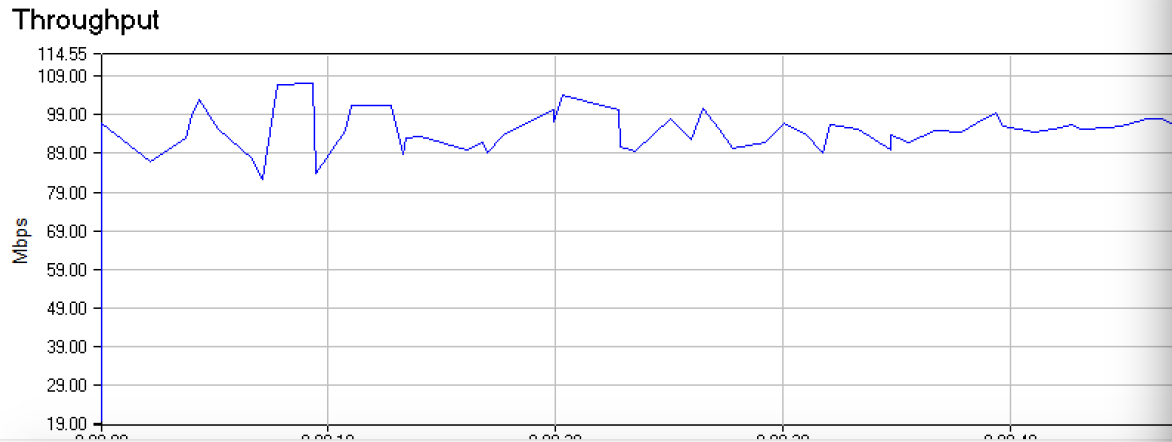
File Edit View Run Tools Window Help

ALL TCP SCR EP1 EP2 SQ PG PC IXIA

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
All Pairs			69											
	Pair 1 No Group	Finished	18	10.0.0.182	10.0.0.74	TCP		High_Performance_Throughput.scr	ews511apt_mbp_lan	10.0.0.182	TCP	n/a	10.0.0.74	n/a
	Pair 2 No Group	Finished	17	10.0.0.182	10.0.0.74	TCP		High_Performance_Throughput.scr	ews511apt_mbp_lan	10.0.0.182	TCP	n/a	10.0.0.74	n/a
	Pair 3 No Group	Finished	17	10.0.0.182	10.0.0.74	TCP		High_Performance_Throughput.scr	ews511apt_mbp_lan	10.0.0.182	TCP	n/a	10.0.0.74	n/a
	Pair 4 No Group	Finished	17	10.0.0.182	10.0.0.74	TCP		High_Performance_Throughput.scr	ews511apt_mbp_lan	10.0.0.182	TCP	n/a	10.0.0.74	n/a

Throughput



Network

Location: Automatic

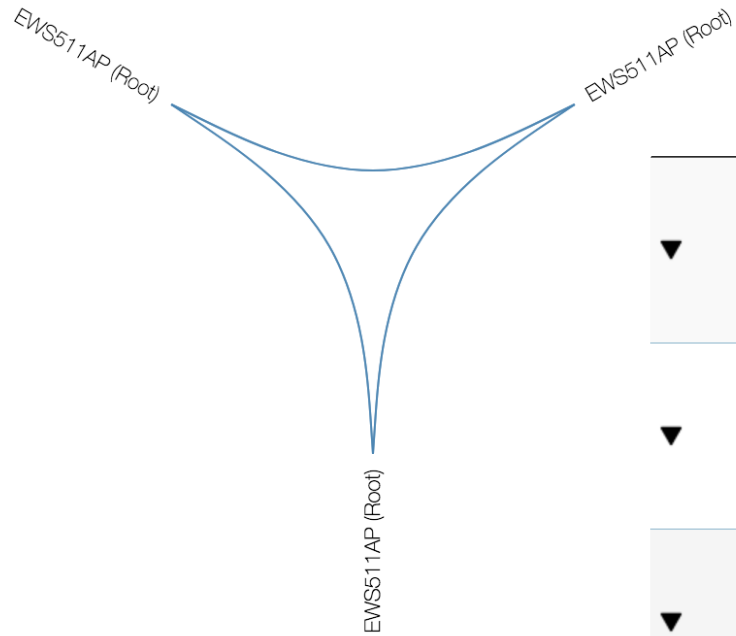
- Thunderbolt Ethernet Connected
- vlan50 Self-Assigned IP
- vlan10 Self-Assigned IP
- vlan20 Self-Assigned IP
- vlan53 Not Connected
- vlan51 Not Connected

Status: **Connected**
Thunderbolt Ethernet has the IP address:

Configure IPv4: **Using DHCP**

IP Address: 10.0.0.74
Subnet Mask: 255.255.255.0
Router: 10.0.0.254
DNS Server: 192.168.0.254
Search Domains:

EWS511 mesh function



Device Name	MAC	Type	Hops Count	Neighbor Nodes
▼ EWS511AP	88:DC:96:6C:10:05	Root Node	-	EWS511AP (88:DC:96:6C:10:59) [RSSI: -41dBm] EWS511AP (88:DC:96:6C:10:5D) [RSSI: -52dBm]
▼ EWS511AP	88:DC:96:6C:10:5D	Root Node	-	EWS511AP (88:DC:96:6C:10:59) [RSSI: -41dBm] EWS511AP (88:DC:96:6C:10:05) [RSSI: -52dBm]
▼ EWS511AP	88:DC:96:6C:10:59	Root Node	-	EWS511AP (88:DC:96:6C:10:5D) [RSSI: -43dBm] EWS511AP (88:DC:96:6C:10:05) [RSSI: -43dBm]