

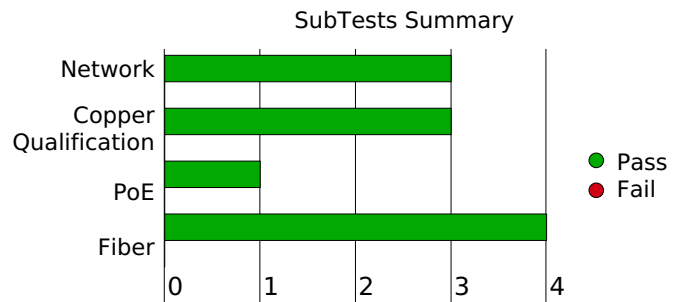
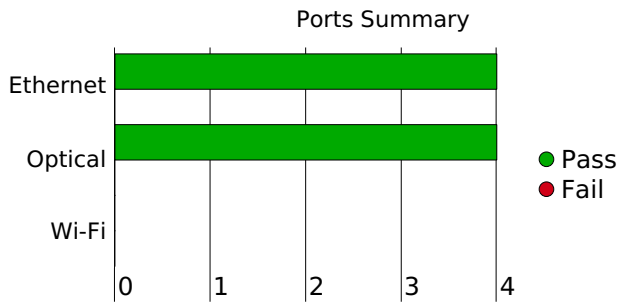
Project Name: QT Demo
Operator: Default Engineer
Contractor Name: Trend Tech Support
Phone: 01494 486432

S/N: 1661210C/25250032
S/W Ver: 0.0.25

Email: Tech.Support@trend-networks.com
Address: Trend Networks House | High Wycombe | HP11 1HE | United Kingdom

Report Version
0.0.1

QT Demo Results Summary



Test Name	Result	Date (mm/dd/yyyy)	Port	Network				NetScan	PoE Load	Copper Qualification	Fiber Qualification
				Ping (IPv4)	Ping (IPv6)	TraceRoute (IPv4)	TraceRoute (IPv6)				
Fiber 1Gb	✓	07/31/2025	SFP	-	-	-	-	-	-	-	✓
Fiber 10Gb	✓	07/31/2025	SFP	-	-	-	-	-	-	-	✓
Fiber 40Gb	✓	07/31/2025	SFP	-	-	-	-	-	-	-	✓
Fiber 100Gb	✓	07/31/2025	SFP	-	-	-	-	-	-	-	✓
Network & PoE	✓	07/31/2025	RJ45	✓	-	✓	-	✓	✓	-	-
Wiremap	✓	07/31/2025	RJ45	-	-	-	-	-	-	✓	-
Copper 5Gb	✓	07/31/2025	RJ45	-	-	-	-	-	-	✓	-
Copper 10Gb	✓	07/31/2025	RJ45	-	-	-	-	-	-	✓	-

Job notes:

Test ID: Fiber 1Gb



Project Name: QT Demo
Test Date/Time: 07/31/2025 01:09:11 PM
Contractor Name: Trend Tech Support
Job Identifiers:

S/N: 1661210C/25250032
S/W Ver: 0.0.25

Tests Selected: Fiber Qualification

Fiber Qualification

Setup

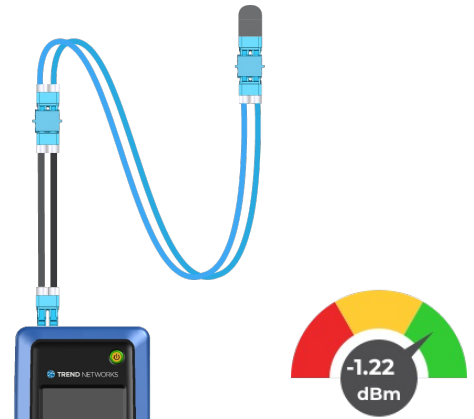
Fiber Type	OM3
Length & Loss Limit Type	1Gb
Refractive Index	1.493

Results

Test status		PASS		
Start - End Time (mm/dd/yyyy hh:mm:ss)		07/31/2025 01:08:24 PM - 01:08:29 PM		
Test Standard		1Gb Multimode 850nm		
		Value	Limit	Margin
Insertion Loss (dB)		0.03	4.60	4.57
Length	m	2.41	860.00	857.59
	ft	7.91	2821.49	2813.58
Wavelength (nm)		850nm MM		
Power Measured (dBm)		-1.22		
Reference Power Calibrated (dBm)		-1.2		

SFP

Vendor Info	Trend Networks
Part No.	025467
Wavelength (nm)	850nm MM
Module	SFP+
SFP Tx Power(dBm)	-2.20
SFP Rx Power(dBm)	-1.26
SFP Temp (°C / °F)	26.32 / 79.38
Rx min power limit (dBm)	-15.0
Rx max power limit (dBm)	10.0



Test ID: Fiber 10Gb



Project Name: QT Demo
Test Date/Time: 07/31/2025 01:09:36 PM
Contractor Name: Trend Tech Support
Job Identifiers:

S/N: 1661210C/25250032
S/W Ver: 0.0.25

Tests Selected: Fiber Qualification

Fiber Qualification

Setup

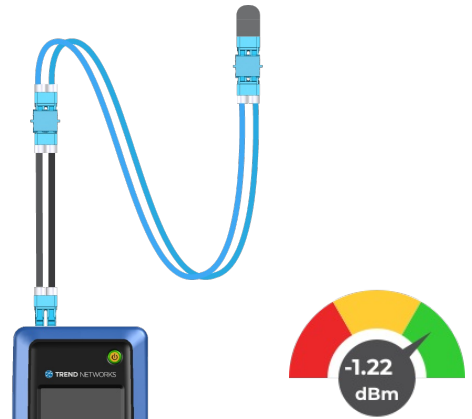
Fiber Type	OM3
Length & Loss Limit Type	10Gb
Refractive Index	1.493

Results

Test status		PASS		
Start - End Time (mm/dd/yyyy hh:mm:ss)		07/31/2025 01:09:16 PM - 01:09:22 PM		
Test Standard		10Gb Multimode 850nm		
		Value	Limit	Margin
Insertion Loss (dB)		0.03	2.60	2.57
Length	m	2.41	300.00	297.59
	ft	7.91	984.24	976.33
Wavelength (nm)		850nm MM		
Power Measured (dBm)		-1.22		
Reference Power Calibrated (dBm)		-1.2		

SFP

Vendor Info	Trend Networks
Part No.	025467
Wavelength (nm)	850nm MM
Module	SFP+
SFP Tx Power(dBm)	-2.19
SFP Rx Power(dBm)	-1.26
SFP Temp (°C / °F)	28.14 / 82.66
Rx min power limit (dBm)	-15.0
Rx max power limit (dBm)	10.0



Test ID: Fiber 40Gb



Project Name: QT Demo
Test Date/Time: 07/31/2025 01:10:13 PM
Contractor Name: Trend Tech Support
Job Identifiers:

S/N: 1661210C/25250032
S/W Ver: 0.0.25

Tests Selected: Fiber Qualification

Fiber Qualification

Setup

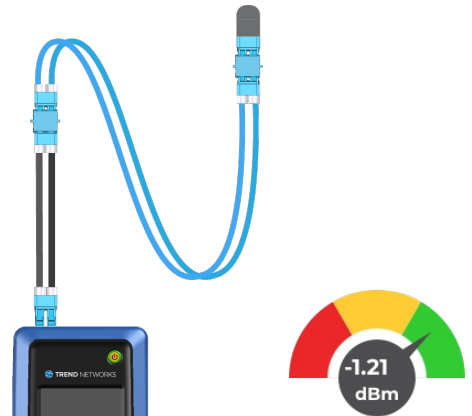
Fiber Type	OM3
Length & Loss Limit Type	40Gb
Refractive Index	1.493

Results

Test status		PASS		
Start - End Time (mm/dd/yyyy hh:mm:ss)		07/31/2025 01:09:51 PM - 01:09:56 PM		
Test Standard		40Gb Multimode 850nm		
		Value	Limit	Margin
Insertion Loss (dB)		0.02	1.90	1.88
Length	m	3.22	100.00	96.78
	ft	10.55	328.08	317.53
Wavelength (nm)		850nm MM		
Power Measured (dBm)		-1.21		
Reference Power Calibrated (dBm)		-1.2		

SFP

Vendor Info	Trend Networks
Part No.	025467
Wavelength (nm)	850nm MM
Module	SFP+
SFP Tx Power(dBm)	-2.20
SFP Rx Power(dBm)	-1.26
SFP Temp (°C / °F)	29.14 / 84.45
Rx min power limit (dBm)	-15.0
Rx max power limit (dBm)	10.0



Test ID: Fiber 100Gb



Project Name: QT Demo
Test Date/Time: 07/31/2025 01:10:52 PM
Contractor Name: Trend Tech Support
Job Identifiers:

S/N: 1661210C/25250032
S/W Ver: 0.0.25

Tests Selected: Fiber Qualification

Fiber Qualification

Setup

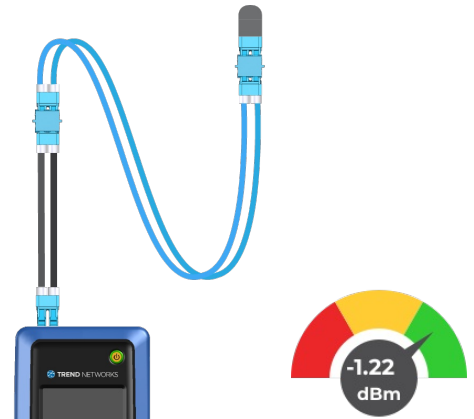
Fiber Type	OM3
Length & Loss Limit Type	100Gb
Refractive Index	1.493

Results

Test status		PASS		
Start - End Time (mm/dd/yyyy hh:mm:ss)		07/31/2025 01:10:35 PM - 01:10:40 PM		
Test Standard		100Gb Multimode 850nm		
		Value	Limit	Margin
Insertion Loss (dB)		0.03	1.80	1.77
Length	m	3.22	70.00	66.78
	ft	10.55	229.66	219.11
Wavelength (nm)		850nm MM		
Power Measured (dBm)		-1.22		
Reference Power Calibrated (dBm)		-1.2		

SFP

Vendor Info	Trend Networks
Part No.	025467
Wavelength (nm)	850nm MM
Module	SFP+
SFP Tx Power(dBm)	-2.20
SFP Rx Power(dBm)	-1.27
SFP Temp (°C / °F)	30.07 / 86.13
Rx min power limit (dBm)	-15.0
Rx max power limit (dBm)	10.0



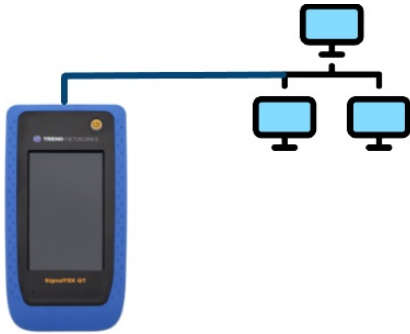
Test ID: Network & PoE



Project Name: QT Demo
Test Date/Time: 07/31/2025 01:49:32 PM
Contractor Name: Trend Tech Support
Job Identifiers:

S/N: 1661210C/25250032
S/W Ver: 0.0.25

Tests Selected: Ping (IPv4) | TraceRoute (IPv4) | Net Scan | PoE Load



Interface Details				
Port	RJ45			
Link Rate	1Gb/s			
Duplex	FD			
Pairs	1-2	3-6	4-5	7-8
Skew (ns) (Delay Variation)	-	-	-	-
SNR Margin (dB)	-	-	-	-
PoE (V)	53.40	53.40	53.60	53.60
MAC	00:01:22:17:40:1f			
Tagged VLAN ID	-			
IPv4	192.168.0.126  Connected to internet			
IPv6	-			

Link Discovery

Device # 1

System Name	SX3206HPP		
System Description	Omada 6-Port 10GE L2+ Managed Switch with 4-Port PoE++		
Port Description	ten-gigabitEthernet 1/0/3		
IP Address	192.168.0.1	MAC	60:83:E7:BC:BB:45
Capabilities	BR(Bridge Router)	VLAN ID	1
PoE Type	Type 1 PSE	Protocol	LLDP

IP Details

IPv4

Status	Connected to internet
Address	192.168.0.126
Netmask	255.255.254.0
Gateway	192.168.1.1
DNS Primary	192.168.1.1
DNS Secondary	8.8.8.8
DHCP Server	192.168.0.1



IPv6

Status	Stateless assignment failed
Address	
Network Prefix	
Link Address	fe80::201:22ff:fe17:401f/64
Gateway	
DNS Primary	
DNS Secondary	
DHCP Server	

Ping (IPv4)

Setup

Pause (ms)	1000
Length (bytes)	64
Packet Count	3
Start Time (mm/dd/yyyy hh:mm:ss)	07/31/2025 01:46:25 PM

Results

Destination	Status	Tx Packets	Rx Packets	RTT min	RTT avg	RTT max
192.168.0.1		3	3	5.1	9.3	12.3
192.168.0.1						
www.google.com		3	3	10.6	10.7	10.8
142.251.29.103						

TraceRoute (IPv4)

Setup

Destination	www.google.com
Max Hop	30
Protocol	ICMP
Name Look Up	Disabled
Destination address	142.251.29.147

Results

Test status	PASS
Start - End Time (mm/dd/yyyy hh:mm:ss)	07/31/2025 01:46:30 PM - 01:47:40 PM
Elapsed Time (hh:mm:ss)	00:01:10
Total hops	15

Address	Host Name	Hop #	Probe 1 (ms)	Probe 2 (ms)	Probe 3 (ms)
192.168.1.1	192.168.1.1	1	0.724	0.82	0.835
164.39.255.248	164.39.255.248	2	7.117	6.996	7.074
164.39.254.250	164.39.254.250	3	6.776	6.912	6.32
72.14.215.228	72.14.215.228	4	7.647	7.968	7.587
216.239.40.71	216.239.40.71	5	7.757	8.764	8.547

192.178.97.54	192.178.97.54	6	8.889	7.988	7.834
192.178.244.237	192.178.244.237	7	8.882	9.337	8.619
142.251.77.34	142.251.77.34	8	8.381	8.72	8.676
Unknown	Unknown	9	0	0	0
Unknown	Unknown	10	0	0	0
Unknown	Unknown	11	0	0	0
Unknown	Unknown	12	0	0	0
Unknown	Unknown	13	0	0	0
Unknown	Unknown	14	0	0	0
142.251.29.147	142.251.29.147	15	7.464	7.729	8.806

Net Scan

Setup

Scan network address range	192.168.0.126/24
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Results

Test status	PASS
Start - End Time (mm/dd/yyyy hh:mm:ss)	07/31/2025 01:47:40 PM - 01:48:15 PM
Elapsed Time (hh:mm:ss)	00:00:35
IP Conflicts	0
IPv4 Hosts	5
IPv6 Hosts	5

IP Address	MAC Address	Vendor
192.168.0.1	60:83:e7:bc:bb:45	
192.168.0.2	38:94:ed:a5:88:64	NETGEAR
192.168.0.3	28:57:be:db:fa:af	Hangzhou Hikvision Digital Technology Co.,Ltd.
192.168.0.4	94:18:65:3e:e7:3e	
192.168.0.5	18:e8:29:90:2e:dc	Ubiquiti Networks Inc.
fe80::2a57:beff:fedb:faaf	28:57:be:db:fa:af	Hangzhou Hikvision Digital Technology Co.,Ltd.
fe80::6283:e7ff:febc:bb45	60:83:e7:bc:bb:45	
fe80::9618:65ff:fe3e:e73e	94:18:65:3e:e7:3e	
fe80::1ae8:29ff:fe90:2edc	18:e8:29:90:2e:dc	Ubiquiti Networks Inc.
fe80::1	20:23:51:56:6b:f4	

PoE Load

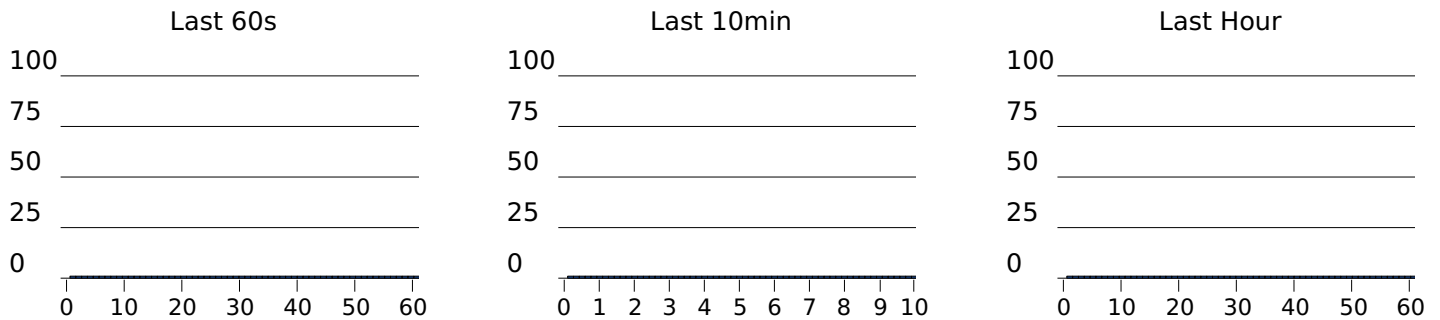
Setup

PoE Standard Limit	Enabled
Power Limit	IEEE802.3

Results

Test status	PASS
Start - End Time (mm/dd/yyyy hh:mm:ss)	07/31/2025 01:48:15 PM - 01:48:26 PM
Elapsed Time (hh:mm:ss)	00:00:11
PoE Class Achieved	Class 6
Max Power Achieved (W)	51.9
Voltage at Max Power (V)	51.40
PoE Standard	802.3bt
Max Power Cable Loss (W)	0.00

Line Utilization %



MAC Statistics

Utilization	
Unicast	116
Broadcast	283
Multicasts	250
Total Rx Frames	649
Total Rx Bytes	145.86K
Frame Errors	251
Max Frames per Second	13
Current Data Rate	1.23 Kb/s
Average Data Rate	11.83 Kb/s
Max Data Rate	48.98 Kb/s
Current Utilization	0.000%
Average Utilization	0.001%
Max Utilization	0.005%

Size	
< 64	0
64 - 127	379
128 - 255	2
256 - 511	163
512 - 1023	105
1024 - 1279	0
1280 - 1518	0
1519 - 1522	0
> 1522	0
Errors	
Bad FCS	0
Undersized Frames	251
Oversized Frames	0
Jabbers	0
Bad Length	0

Test ID: Wiremap



Project Name: QT Demo
 Test Date/Time: 07/31/2025 01:51:30 PM
 Contractor Name: Trend Tech Support
 Job Identifiers:

S/N: 1661210C/25250032
 S/W Ver: 0.0.25

Tests Selected: Qualification

Copper Qualification

Setup

Link Qualification	Wiremap Only
Cable Type	4-Pair
NVP	72
Shield Test	Enabled
Crossover Allowed	Disabled
Display Preference	568B



Results

Test status	PASS
Start Time (mm/dd/yyyy hh:mm:ss)	13:51:01
Cable Length (m/ft)	1.9 / 6.23
Cable Status	STRAIGHT
Remote ID	1
Supported Speed	Wiremap Only

Test ID: Copper 5Gb



Project Name: QT Demo
Test Date/Time: 07/31/2025 01:52:33 PM
Contractor Name: Trend Tech Support
Job Identifiers:

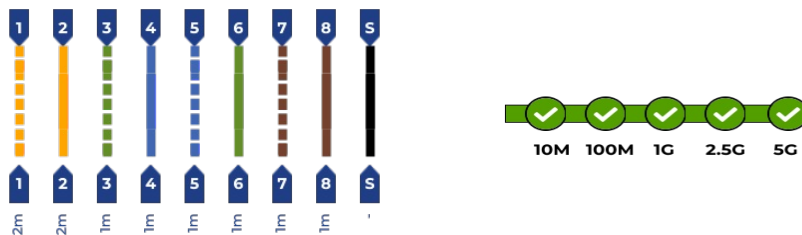
S/N: 1661210C/25250032
S/W Ver: 0.0.25

Tests Selected: Qualification

Copper Qualification

Setup

Link Qualification	5GBASE-T
Cable Type	-
NVP	72
Shield Test	Enabled
Crossover Allowed	Disabled
Display Preference	568B



Results

Test status	PASS
Start Time (mm/dd/yyyy hh:mm:ss)	13:51:51
Cable Length (m/ft)	1.9 / 6.23
Cable Status	STRAIGHT
Remote ID	1
Supported Speed	5GBASE-T

Test ID: Copper 10Gb



Project Name: QT Demo
Test Date/Time: 07/31/2025 02:02:43 PM
Contractor Name: Trend Tech Support
Job Identifiers:

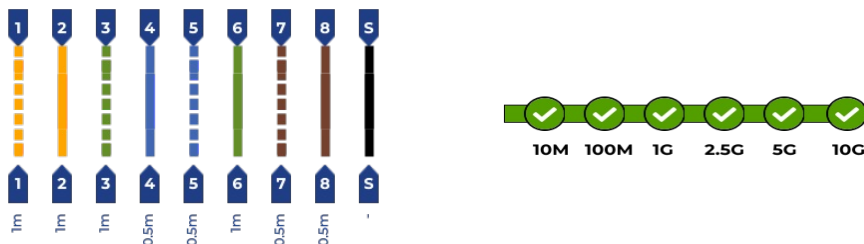
S/N: 1661210C/25250032
S/W Ver: 0.0.25

Tests Selected: Qualification

Copper Qualification

Setup

Link Qualification	10GBASE-T
Cable Type	-
NVP	72
Shield Test	Enabled
Crossover Allowed	Disabled
Display Preference	568B



Results

Test status	PASS
Start Time (mm/dd/yyyy hh:mm:ss)	14:01:58
Cable Length (m/ft)	1.1 / 3.61
Cable Status	STRAIGHT
Remote ID	1
Supported Speed	10GBASE-T