



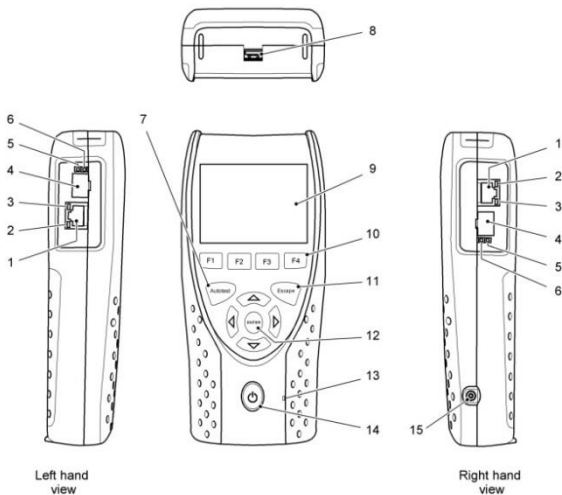
TREND NETWORKS

UniPRO MGig1



Quick Reference Guide 152800 Issue 2

www.trend-networks.com



Left hand
view

Right hand
view

¹ Items 4, 5 & 6 - MGig1 PLUS & PRO models only

² Items 1 to 6 on right hand view - MGig1 Duo models only.

1 ²	RJ 45 port	9	LCD color display
2 ²	RJ 45 activity LED	10	Function keys F1 to F4
3 ²	RJ 45 link LED	11	Escape key
4 ^{1,2}	Optical port (SFP)	12	Cursor and ENTER keys
5 ^{1,2}	Optical activity LED	13	Charger LED
6 ^{1,2}	Optical link LED	14	ON/OFF button
7	Autotest button	15	DC in connector
8	USB port		

Power Indications – Charger LED

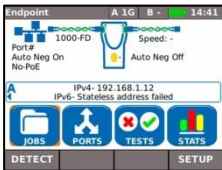
*Charger LED	Status
Green	Battery pack is charging
Off (with charger connected)	Battery pack is charged
Green flashing	Battery pack is not being charged

Power indications – on screen

	Full
	2/3
	1/3
	Empty
	Mains/on-charge

Four Ways to Navigate

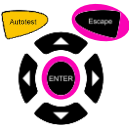
1



Autotest



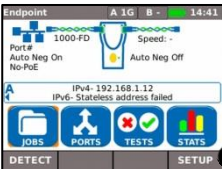
2



Escape - returns to previous screen

ENTER - accepts selection

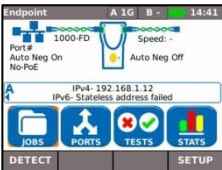
3



Touch Screen



4



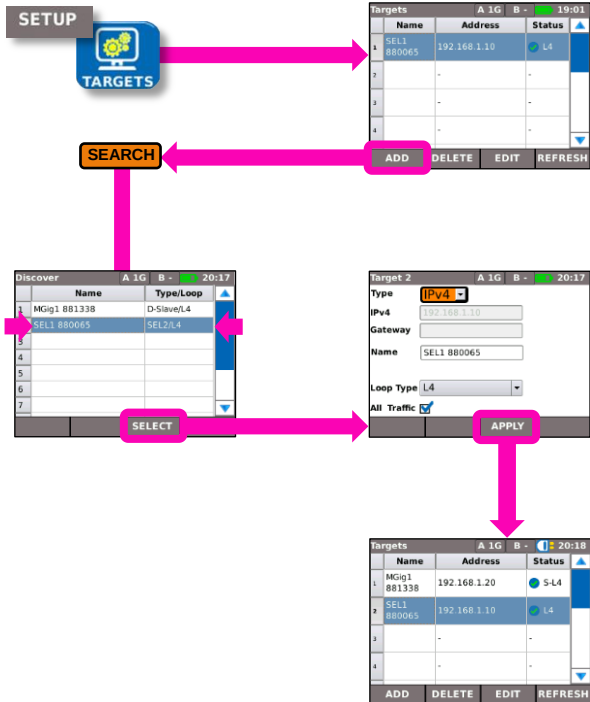
F1

F2

F3

F4

Targets



Services



Services 2 to 8 available on PLUS & PRO models only

Services		A -	B -	18:12
Service	Service Name			
1	S-1			
2	S-2			
3	S-3			
4	S-4			
5	S-5			
6	S-6			
7	S-7			
		EDIT		

IP A - B - 18:12

Source IPv4 Address

IPv4 Local Address

Destination IPv4 Address

IPv4 From Target Address

MORE APPLY

Service A - B - 18:12

Name S-1

Protocol UDP

IP v4- SRC:Local DST:From Target v6- SRC:Local DST:From Target

MPLS Disabled

LLC/SNAP Disabled

VLAN Local

MAC SRC:UniPRO MGig2 DST:Target

IP A - B - 18:13

Source IPv6 Address

IPv6 Local Address

Destination IPv6 Address

IPv6 From Target Address

MORE

IP A - B - 18:13

COS Local

COS Type Type of Service

Precedence Route

Low Delay

High Throughput

High Reliability

IPv6 Traffic Class Local

IPv6 Traffic Class

MORE APPLY

RFC2544



SETUP

A:Setup:RFC2544 A 1G B - 18:52

Target:

Direction:

Service:

Pattern Data:

MORE PROFILE

A:Setup:RFC2544 A - B - 21:48

Frame Size: ☒ 64 ☐ 128 ☐ 256 ☐ 512 ☐ 1024 ☐ 1280 ☒ 1518 ☐ User

Test BW Rate (Mb/s)

Single Ended Loop

Min: Max:

User Size:

MORE BIDIR

Escape

A:RFC2544 A 1G B - 18:53

Service:

Target:

Direction:

Est. Duration: To

Status:

RUN MORE SETUP

A:Setup:RFC2544 A 1G B - 18:52

Subtests

Single Ended Loop

Throughput: ☒ EDIT

Latency: ☒ EDIT

Jitter: ☒ EDIT

Frame Loss: ☒ EDIT

Back to Back: ☒ EDIT

System Recovery: ☒ EDIT

MORE BIDIR

A:Setup:Throughput A 1G B - 18:52

Resolution (%):

Duration (s):

Max Frames Loss (%):

MORE APPLY

A:Setup:Throughput A 1G B - 18:53

IR Limit

64	☒	700
128	☐	710
256	☐	720
512	☒	730
1024	☐	740
1280	☐	750
1518	☒	760
User	☐	770

APPLY

NetSAM



A:Setup:NetSAM A 1G B - 20:38

Target: SEL1 880065

Direction: Single Ended

MORE

A:Setup:NetSAM A 1G B - 20:39

Subtests

- ☒ A1 CIR EDIT
- ☐ A2 Step Load CIR
- ☐ B1 EIR Color EDIT
- ☐ B2 EIR Non Color
- ☐ C1 Police Color EDIT
- ☐ C2 Police Non Color
- ☐ Performance Test EDIT

MORE

A:Setup:NetSAM A 1G B - 20:39

Services

	M->S	S->M
S-1	☒ EDIT	☐ EDIT
S-2	☐ EDIT	☐ EDIT
S-3	☐ EDIT	☐ EDIT
S-4	☐ EDIT	☐ EDIT
S-5	☐ EDIT	☐ EDIT
S-6	☐ EDIT	☐ EDIT
S-7	☐ EDIT	☐ EDIT
S-8	☐ EDIT	☐ EDIT

MORE

A:NetSAM A 1G B - 20:39

Color Mode: IP

Green IP: 4

Yellow IP: 4

Green VLAN: 0

Yellow VLAN: 0

Green MPLS: 0

Yellow MPLS: 0

MORE APPLY

A:NetSAM A 1G B - 20:39

M->S Service 1 Setup

Frame Size: 64

U Frame Size: 512

EMIX Pattern: abcdeg

MTU(bytes): 64

CIR(Mb/s): 30

EIR(Mb/s): 1

Pattern Data: 00000000

MORE APPLY

A	64
B	128
C	256
D	512
E	1024
F	1280
G	1518
H	MTU
U	User

A:NetSAM A 1G B - 20:39

FLR (0.xxx): 0.003

FTD (us): 22

FDV (us): 11

Availability (xxx.x%): 95

MORE APPLY

A:NetSAM A 1G B - 20:40

Target: SEL1 880065

Direction: Single Ended

Status: Ready

Time: 00:00:00

RUN MORE SETUP

SLA-TICK



A:SLA-TICK A 1G B - 19:14

Target: SEL1 880065

Status: Ready

Time: 00:00:00

RUN MORE **SETUP**

Limits A 1G B - 19:14

Info Rate (Mb/s): 986.996

Free IR (Mb/s): 986.996

Bandwidth Rate (Mb/s): 999.999

Bandwidth Utilization: 100%

Frame Size: 1518

Pattern Data (Hex): All 0

MORE APPLY

A:Setup:SLA-TICK A 1G B - 19:14

Utilization

☒	S-1	100%
☐	S-2	0%
☐	S-3	0%
☐	S-4	0%
☐	S-5	0%
☐	S-6	0%
☐	S-7	0%
☐	S-8	0%

Target: SEL1 880065

Duration (hh:mm): 00:01

Used: 100%

MORE DELETE AUTO

Limits A 1G B - 19:14

Max Latency (us): ☒ 5000

Max Jitter (us): ☒ 100

Frame Loss Ratio: ☒ 0.005

Frame Loss Count: ☒ 0

Min Throughput (Mb/s): 0.1

SDT (ms): 10

MORE **APPLY**

A:SLA-TICK A 1G B - 19:14

Target: SEL1 880065

Status: Ready

Time: 00:00:00

RUN MORE SETUP

BERT



A:BERT A 1G B - 19:13

Target	SEL1 880065
Service	S-1
Pattern	PRBS ITU 2^11-1
Layer	L4 (UDP)
Status	Ready
Last Sync Time	00:00:00
Total Sync Time	00:00:00 0%

Time
00:00:00

RUN MORE **SETUP**

A:Setup:BERT A 1G B - 19:13

Target	SEL1 880065
Service	S-1
Test Pattern	PRBS ITU 2^11-1
Word	0000
Layer	Layer 4
Info Rate (Mb/s)	1
Frame Size	64

MORE APPLY

A:Setup:BERT A 1G B - 19:13

Duration	User
User Duration (hh:mm)	00:01
Error Limit	Ratio
Error Ratio	1 in 10
Absolute Error	5

MORE **APPLY**

A:BERT A 1G B - 19:13

Target	SEL1 880065
Service	S-1
Pattern	PRBS ITU 2^11-1
Layer	L4 (UDP)
Status	Ready
Last Sync Time	00:00:00
Total Sync Time	00:00:00 0%

Time
00:00:00

RUN MORE SETUP