

OptiView™

Integrated Network Analyzer

At a Glance Card

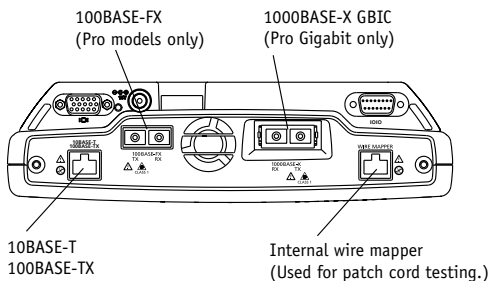
Find the Information You Will Need

Getting Started Guide: Everything you will need to quickly get started using the OptiView™ Analyzer.

Help System: Analyzer Help System context sensitive help.

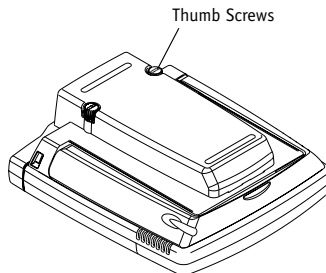
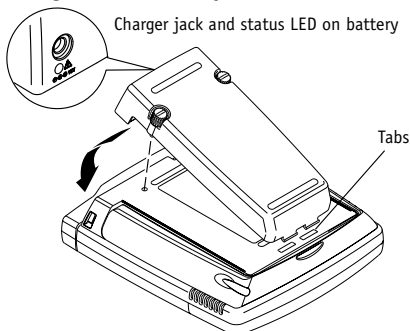
Web: Visit www.flukenetworks.com for the latest news on the OptiView™ analyzer product, troubleshooting tips, software updates, and service information.

Network Test Interface

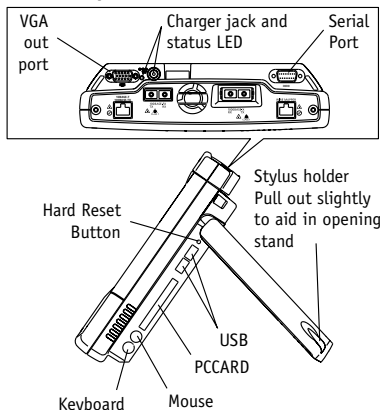


LED Charge Status: Flashing = charging, On = charged

Installing External Battery



Peripheral Connections



Link LED

Red solid = over voltage detection, may be connected to a telco/ISDN
Red flashing = no cable (no link on fiber)
Green solid = link on fiber or MDI connection
Amber solid = link on MDI-X connection
Amber flashing = cable or wire mapper present, and no link

Transmit LED

Collision LED

Error LED

Line Utilization LEDs
10% increments

Touch screen display with Front
Page displayed

Note: Each block and tab
is a touch target

Status bar

On/Off Button

Stylus stores at bottom
of stand



Port speed and
duplex mode
are displayed

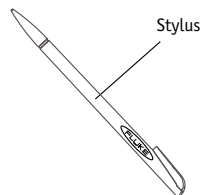
Saves current
screen as
HTML report

Prints a graphical
representation of what
is currently on screen

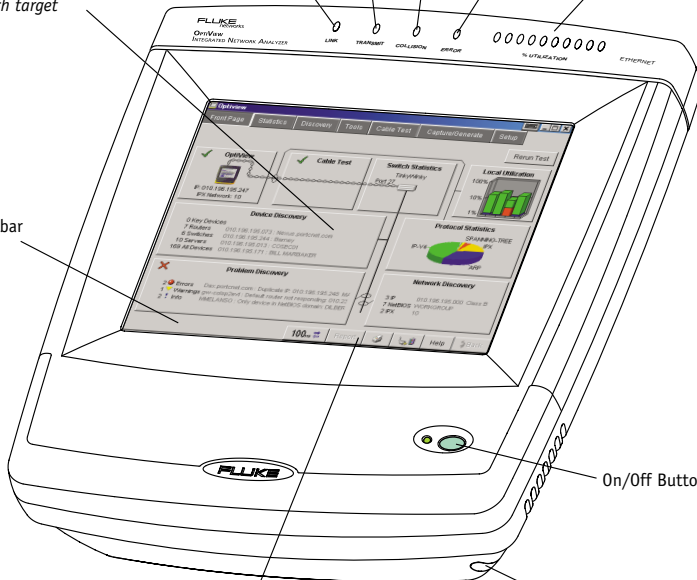
Power status and
power management
are displayed

Launches Help

Goes back to
previous screen

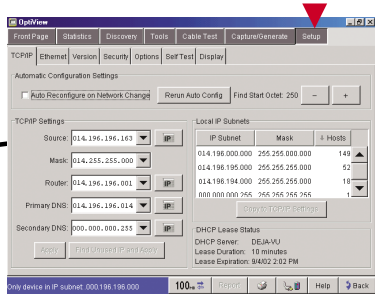


Stylus



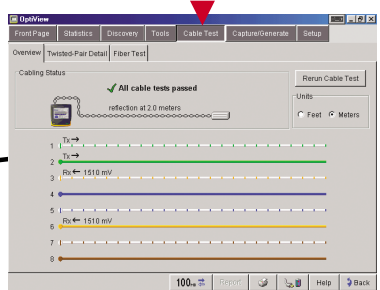
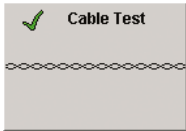
Analyzer Setup

Auto configures for TCP/IP settings, port speed, and duplex mode. The analyzer will determine the best settings, or you can manually override the settings.



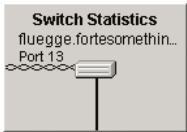
Cable Test

Displays cable information and potential problems. Cable length, cable wire mapping, cable wire pair, impedance, status/anomalies are displayed (e.g., shorts, opens, terminations, and split pairs).

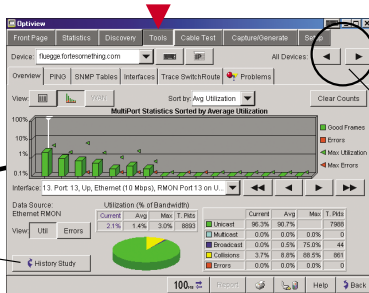


Switch Statistics

Allows you to view multiple ports of a switch simultaneously, thus enabling you to diagnose hard-to-analyze switched remote segments. It provides a multi-port view of switches and routers at a glance.



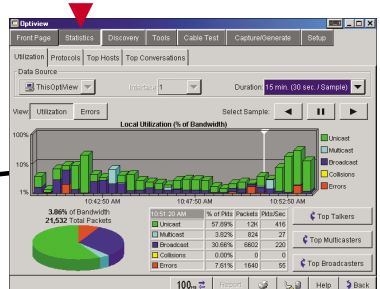
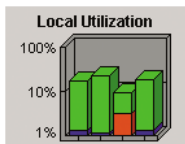
Switch
RMON
history



Allows you to
step through
all devices

Utilization

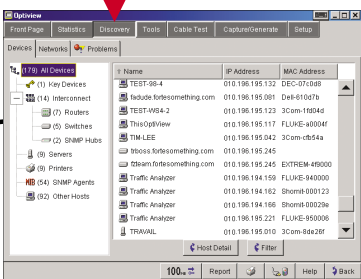
Provides information on the performance and health of the local network segments including the segment to which the analyzer is physically connected.



Device Discovery

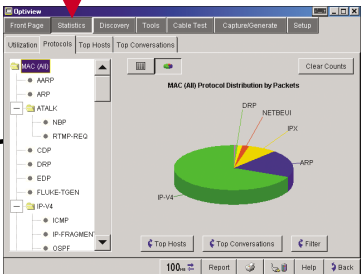
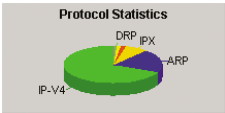
Displays network devices, e.g., hosts, switches, routers, etc., on the local broadcast domain.

Device Discovery		
3 Key Devices	010.196.195.245	tinkeywinky.fort.com
6 Routers	010.196.195.015	pix.fort.com
5 Switches	010.196.195.245	tinkeywinky.fort.com
10 Servers	010.196.195.007	cos02.fort.com
179 All Devices	010.196.195.132	TEST-98-4



Protocol Statistics

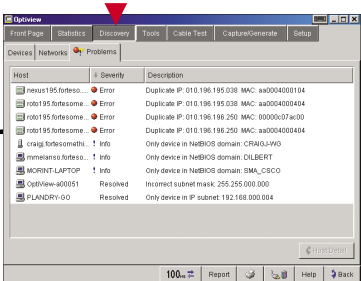
Displays the current list of active protocols seen on your network. This list is continuously updated. The right side of this screen displays protocol information in either tabular or pie chart format.



Problem Discovery

Displays network devices that are experiencing problems. Problems are reported by Error, Warning, or as Informational.

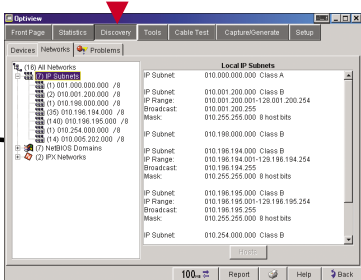
Problem Discovery		
4 Errors	nexus195.fortnesom...	Duplicate IP: 010.196.195.00
0 Warnings		
3 Info	craig1.fortnesom...	Only device in NETBIOS domain: i



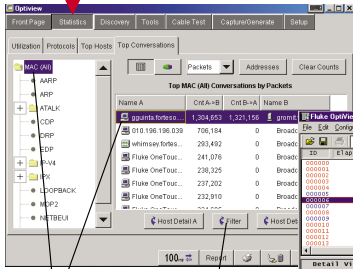
Network Discovery

Categorizes IP subnets, NETBIOS domains, and IPX networks.

Network Discovery		
7 IP	010.001.200.000	Class A
7 NETBIOS	SPASSY	
2 IPX	10	

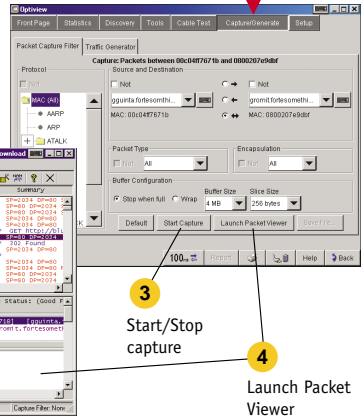


Filtering and Packet Capture



Select Protocol and conversation

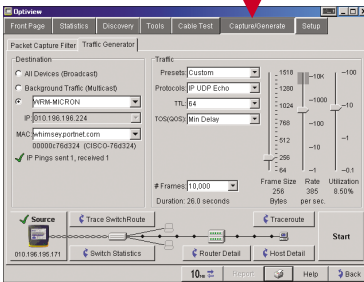
Press Filter



Start/Stop capture

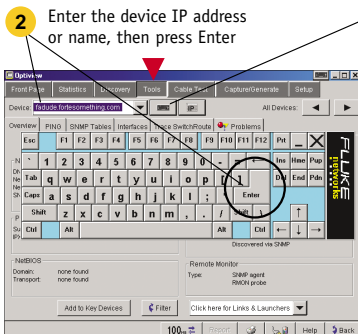
Launch Packet Viewer

Generating Traffic on Your Network



- 1 Select where you want traffic sent. This can be to all devices in the broadcast domain, as multicast (background) traffic, or to a specific device. The router MAC address is automatically selected
- 2 Select the type of traffic you want to generate on your network.
- 3 Select traffic utilization or frame rate you want on your network. If you choose an excessive amount, you will be prompted with warnings before you can start generating traffic.
- 4 Press the Start button to start generating traffic. Press the Stop button to terminate traffic generation.

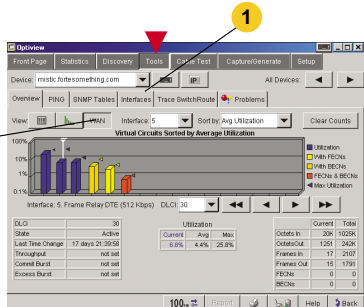
Entering devices using the Virtual Keyboard



Launch the Virtual Keyboard

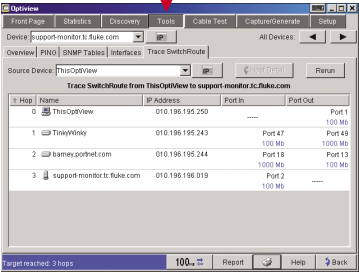
Performing WAN Analysis

From the Tools Overview screen, select Interfaces



Select WAN

Performing a Trace SwitchRoute



- 1 Select the path (destination and/or source) and the test is run.
- 2 The displayed results show sequentially the switches between the source and destination devices, including the in and out ports.

Setting Port Speed and Duplex Mode

The screenshot shows the OptiView Network Mapper interface. The '10/100 BASE-TX' port is selected, and the 'Capabilities of Link Partner' are displayed as 'Auto negotiated, 10 or 100 Mb, half duplex only'. The '10 Mb half duplex' option is selected under the '10/100 Tx Setting'.

1 Press either the Ethernet tab or the port speed/mode button

2 10 Mb half duplex is selected

Use this information to analyze link capabilities and misconfiguration.

Connecting the Analyzer

