FLUKE networks™

OptiView™

Integrated Network Analyzer

At a Glance Card

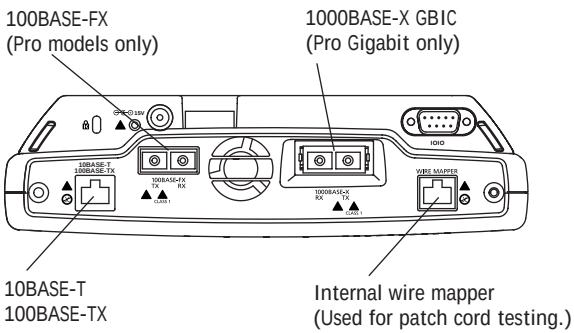
Find the Information You Will Need

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

Help System: Analyzer Help System context sensitive help.

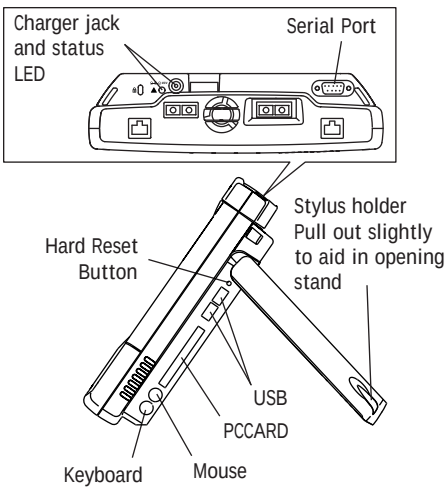
Web: Visit *www.flukenetworks.com* for the latest news on the OptiView™ analyzer product, troubleshooting tips, software updates, and service information.

Network Test Interface

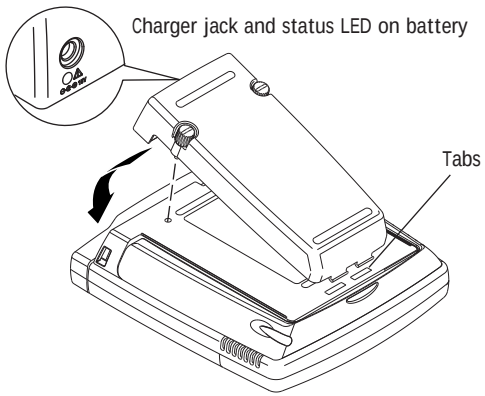


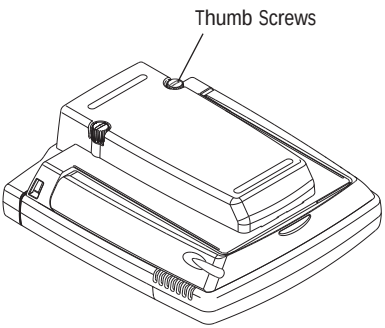
LED Charge Status: Flashing = charging, On = charged

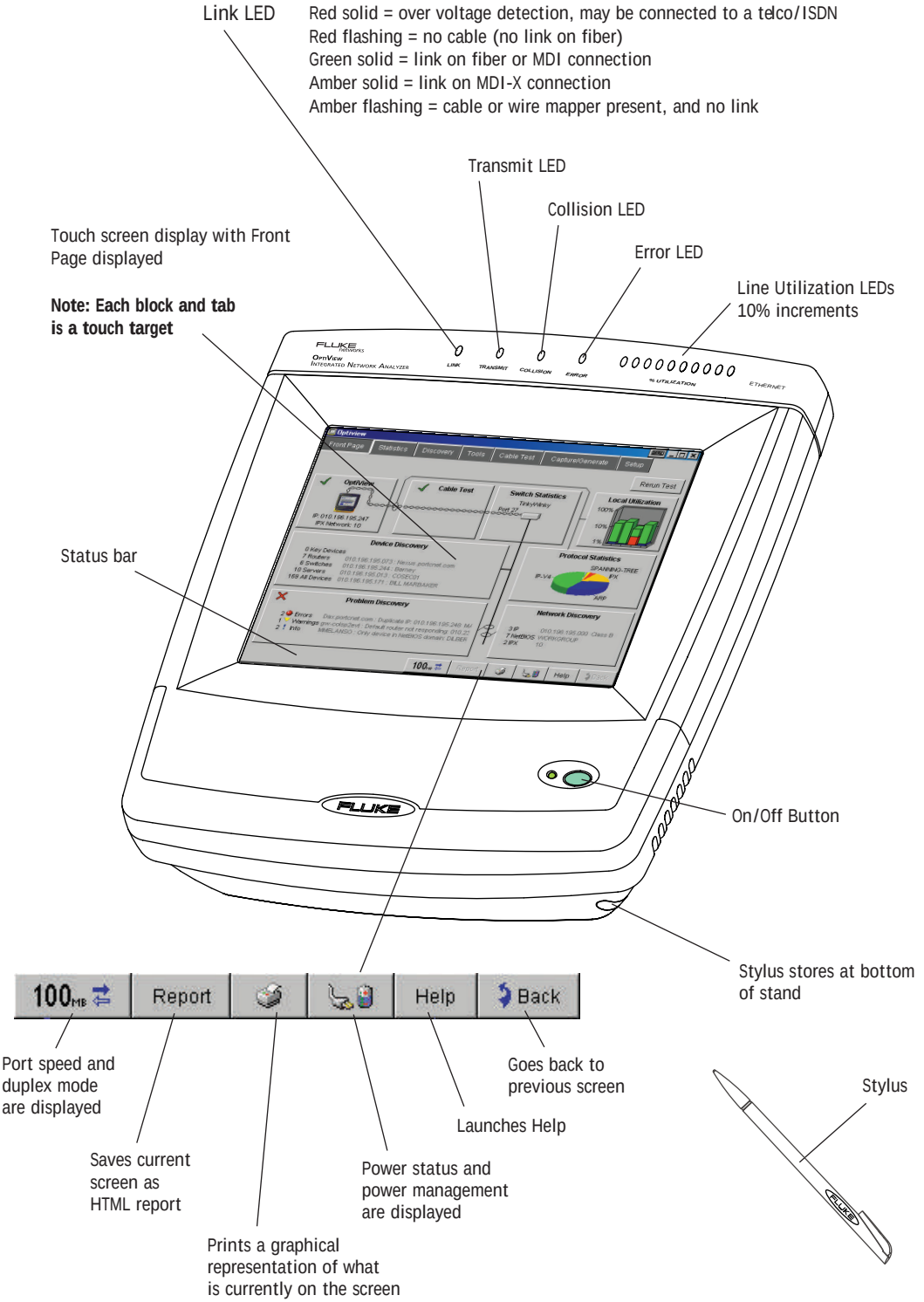
Peripheral Connections



Installing External Battery

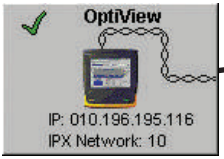


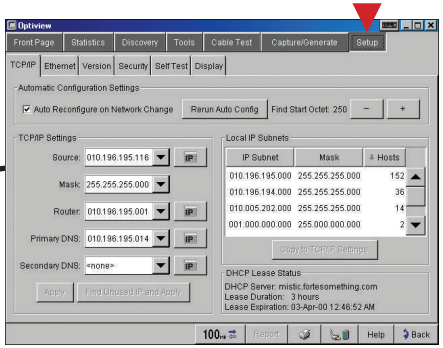



Link LED
Red solid = over voltage detection, may be connected to a telco/ISDN
Red flashing = no cable (no link on fiber)
Green solid = link on fiber or MDI connection
Amber solid = link on MDI-X connection
Amber flashing = cable or wire mapper present, and no link
Transmit LED
Collision LED
Error LED
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
100MB
Report
Help
Back
Port speed and duplex mode are displayed
Saves current screen as HTML report
Prints a graphical representation of what is currently on the screen
Power status and power management are displayed
Launches Help
Goes back to previous screen
Stylus

Analyzer Setup

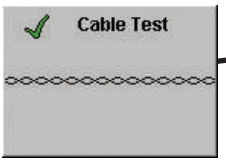
Auto configures for TCP/IP settings, port speed, and duplex mode. The analyzer will determine the best settings, or you can manually override the settings.

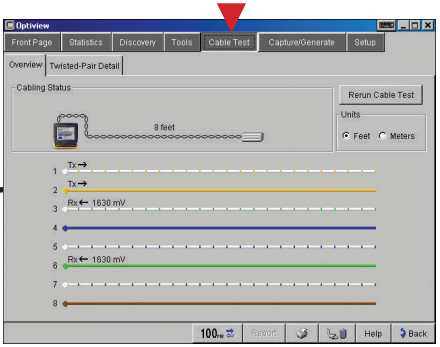




Cable Test

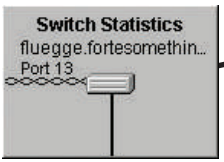
Displays cable information and potential problems. Cable length, cable wire mapping, cable wire pair, impedance, status/anomalies are displayed (e.g., shorts, opens, terminations, and split pairs).

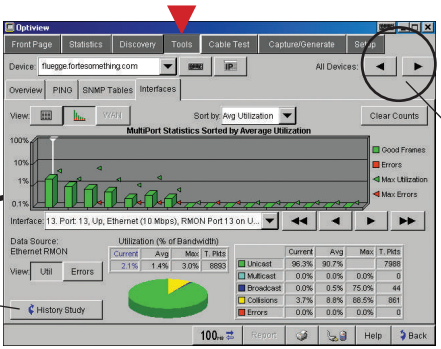




Switch Statistics

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.



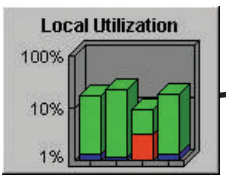


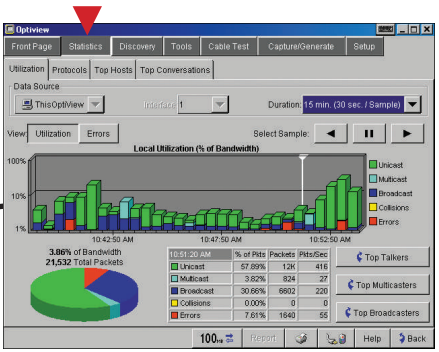
Allows you to step through all devices

Switch RMON history

Utilization

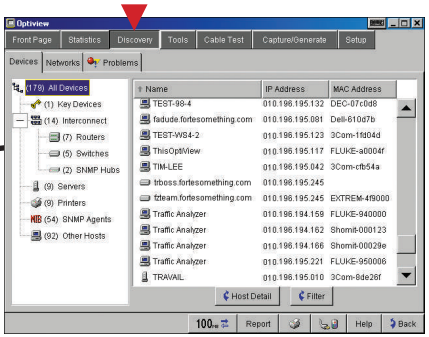
Provides information on the performance and health of the local network segments including the segment to which the analyzer is physically connected.





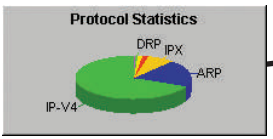
Device Discovery

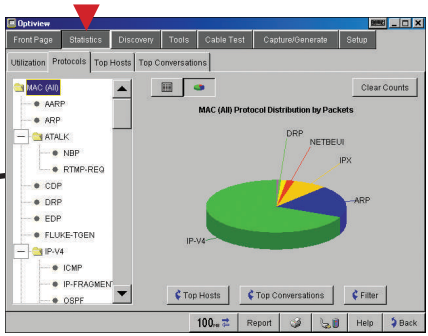
Displays network devices, e.g., hosts, switches, routers, etc., on the local broadcast domain.



Protocol Statistics

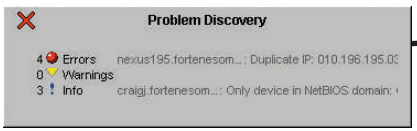
Displays the current list of active protocols seen on your network. This list is continuously updated. The right side of this screen displays protocol information in either tabular or pie chart format.

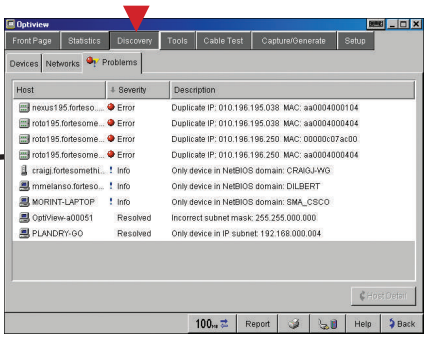




Problem Discovery

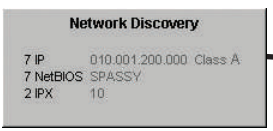
Displays network devices that are experiencing problems. Problems are reported by Error, Warning, or as Informational.

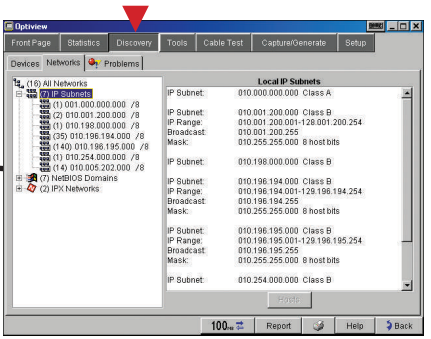




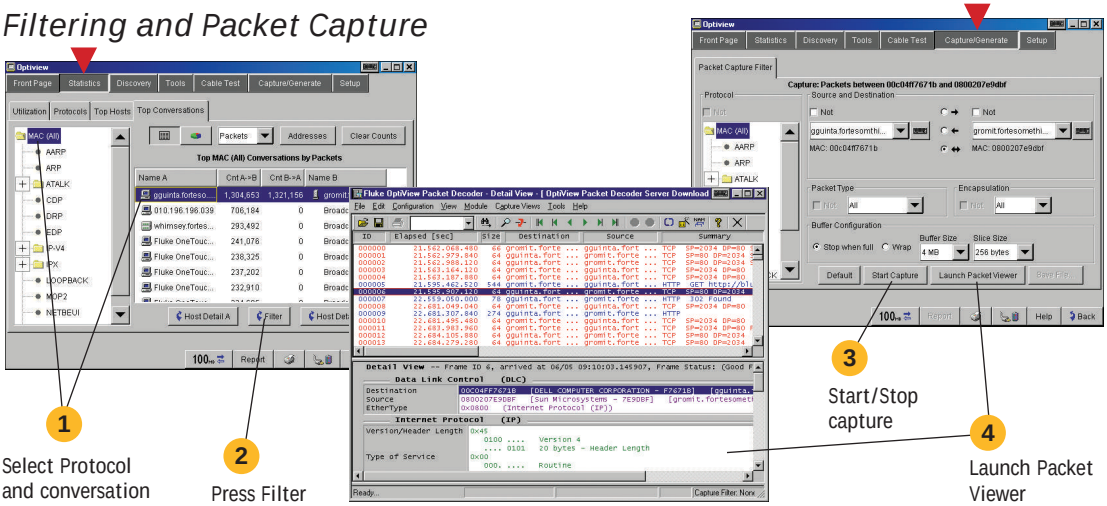
Network Discovery

Categorizes IP subnets, NETBIOS domains, and IPX networks.

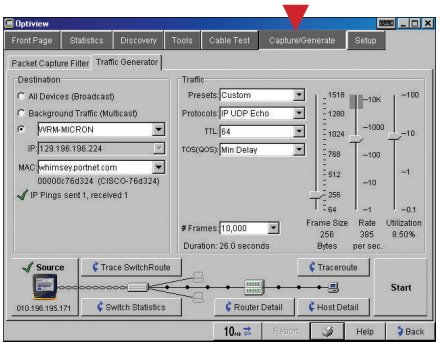




Filtering and Packet Capture



Generating Traffic on Your Network

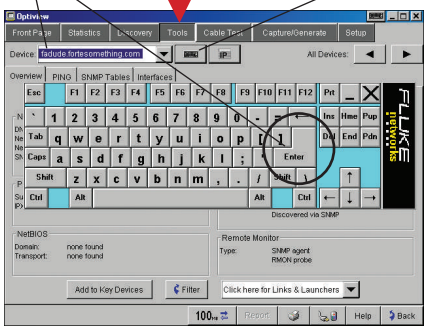


1. Select where you want traffic sent. This can be to all devices in the broadcast domain, as multicast (background) traffic, orto a specific device. The router MAC address is automatically selected
2. Select the type of traffic you want to generate on your network.
3. Select traffic utilization or frame 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

2 Enter the device IP address or name, then press Enter

1 Launch the Virtual Keyboard

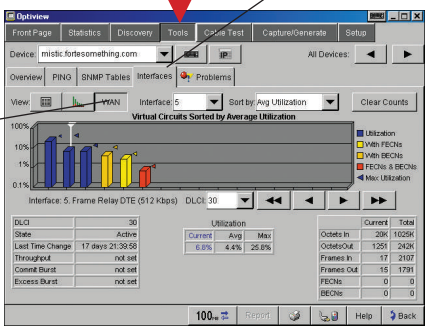


Performing WAN Analysis

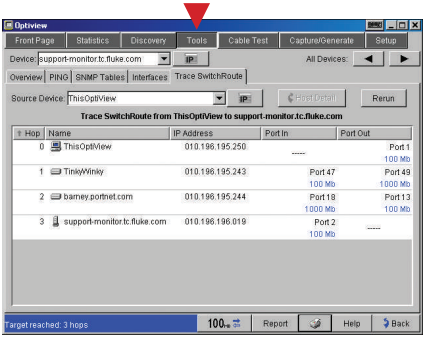
From the Tools Overview screen, select Interfaces

1

2 Select WAN

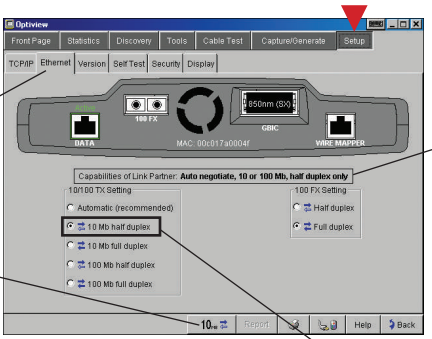


Performing a Trace SwitchRoute



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



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

Use this information to analyze link capabilities and misconfiguration.

2 10 Mb half duplex is selected

Connecting the Analyzer