

PCAP-Probe[®] Appliance

- Transportable rugged appliance for installation at the network edge
- Rapid Deployment
- Remote access via web, ssh and syslogging
- Part of an extended T&M EcoSystem based on the PCAP packet capture file format
- Available as part of a service, as a product or as a combination
- Ad-Hoc or Continuous capture into ISO8601 date/time named PCAP files
- Technology available for licensing and embedding

www.yr20.com

PCAP-Probe[®] Appliance Data Sheet

Rugged continuous packet capture appliance for installation at the wired 10/100 Ethernet edge of critical networks.



Transportable Rugged Appliance

The PCAP-Probe[®] appliance is a transportable rugged continuous packet capture device for installation at the wired 10/100 edge of critical ethernet networks.

Rapid Deployment

The PCAP-Probe[®] appliance can be installed at a remote site in minutes by non-technical personnel.

Remote Access via Web, Ssh and Syslogging

The PCAP-Probe[®] appliance has a comprehensive web interface for local or remote access to configure the appliance and control the continuous or ad-hoc capture, PCAP file compression, encryption, download and management.

Ssh can be used for the bulk download of large numbers of PCAP files.

The PCAP-Probe[®] appliance can send richly informative syslog messages to a central server.

Part of a T&M EcoSystem

The PCAP-Probe[®] appliance captures packets into the Packet CAPture (PCAP) file format which is a de-facto T&M standard.

There is a rich set of Open Source / GPL and proprietary software that can analyze files in the PCAP file format to support network operations, engineering and security. The Wireshark (www.wireshark.org) packet analyzer is probably the best-known.

YR20[®] offers a set of Open Source and proprietary software, methods and training for supporting the operations and engineering of critical networks over extended timelines.

Ad-Hoc or Continuous Capture

PCAP-Probe[®] appliances can be used for ad-hoc capture controlled interactively through the web interface.

PCAP-Probe[®] appliances are also well-suited to being in place long-term as the files are captured in fixed durations (5, 15 or 60 minutes) and



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the file names include an ISO8601 date/time stamp so that the files sort in date/time order and a file covering a specific date/time can be very easily located. Older files are deleted to make way for new files.

Licensing and Embedding

For customers who manufacture high-value industrial equipment we can license our PCAP-Probe® technology to be embedded in your equipment. This will be of significant interest for remote maintenance and remote operations applications on critical networks.

Hardware Description and Options

The PCAP-Probe® appliance is a rugged transportable device for indoor installation on a wired 10/100 ethernet. If you need a different product package; e.g. miniaturized, IP67 protection, extended temperature, industrial DIN rail or plate mount, gigabit capture, then please contact us.

The PCAP-Probe® can be supplied without an integral tap if it is to be used with an existing network tap or with switch span/mirror ports.

Specification

Model: PCAP-Probe® Packet capture appliance.

Model Number: 3000 series

Height: 6.0 cm 2.4 inches

Width: 33.5 cm 13.2 inches

Depth: 35.5 cm 14.0 inches

Part Number: 3000-001-001 - Indoor use only

Power consumption: 3000-001-001 3A or less at 12Vdc

Weights: PSU and power cable – 1lb 4oz 0.6 kilos

PCAP-Probe® Appliance – 7lb 6oz 3.4 kilos

Power Supply

Separate power supply unit:

Height: 3.4 cm 1.3 inches

Width: 5.8 cm 2.3 inches

Depth: 13.3 cm 5.2 inches

AC Input: 100v AC – 240v AC 50Hz - 60Hz ~2.5A max

DC Output: 12v DC 6.6A max (80w max)

Mounting

Currently table top or rack shelf mount.

Operating Environment

Temperature: 0° C to +60° C (+32° F to +140° F)

Humidity: 10% - 90% RH Non-condensing

Connectors on rear panel

2 x RJ45 Ethernet 10BaseT / 100BaseT TX MDI/MDIX autosensing ports marked Network Tap A and Network Tap B. These ports go to the passthru live ports on the tap.

1 x RJ45 Ethernet 10BaseT / 100BaseT TX MDI/MDIX autosensing port marked Mgmt Port.

USB port for external storage for local PCAP file export.

DC Power Input

Documentation

The PCAP-Probe® is supplied with comprehensive documentation.

Software

YR20® - proprietary software

Linux - Released under GPL license

Packaging

Cardboard boxing with custom foam inserts

Height: 17 cm 6.7 inches

Width: 47 cm 18.5 inches

Depth: 47 cm 18.5 inches

Weight: 0.8 kilos 1lbs 13ozs

NOTE: Rugged flight cases can be provided as a packaging option for frequent transportation.

YR20 was formed in 2001 to address the engineering, commissioning and maintenance issues associated with the Oil & Gas industry using TCP/IP networks for critical traffic. The company has now worked for over 50 Oil & Gas operating and supply companies to engineer, commission and maintain critical networked IT systems. YR20 has the necessary products, tools, and personnel ready for worldwide deployment in any challenging network or industrial environment.

For more information please contact:

YR20 (UK) LTD

+44 (1224) 766-646

Westpoint House, Prospect Road

Westhill, Aberdeenshire AB32 6FE

doug.stevenson@yr20.com or www.yr20.com

YR20 US LLC

+1 (832) 225-1293

1718 Fry Road, Suite 440

Houston, TX 77084

mike.hinz@yr20.com or www.yr20.com

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Nov. 2010

