

# IP Copper USC4060

## continuous network packet capture appliance



With the **IP Copper™ USC4060**, organizations can scale installation to meet their needs and budgets, thus controlling costs while reaping the benefits of full, continuous packet capture. Simplicity of installation makes deployment of the USC4060 painless and quick, requiring little more than the ability to connect two or three cables. One person can deploy dozens of USC4060 appliances in one day and put an organization's entire network under surveillance, without sacrificing speed, creating additional vulnerabilities or reconfiguring the network.

### SPECIFICATIONS

**Peak Speed:** 1 Gbps

**Min. Sustained Cap. Speed:** 400 Mbps

**Min. Sustained Cap. Rate:** 165,000 packets per second

**Memory Capacity:** 4 TB

**Network Interface:** 2 x RJ-45 GbE

**Processor:** Intel dual core

**Supported Protocols:** IPv4, IPv6, TCP/IP, UDP, ARP, POP3, SMTP and all others that use Ethernet framing as transport

**Jumbo Frames:** Supported

**Flow Control:** Supported

**Encryption:** 20,000 bit, dual

**Installation Options:** SPAN & inline

**Weight:** 5.5 lbs

**Dimensions:** 3" x 9" x 9.25"

Surveillance forms the foundation of security. Continuous packet capture appliances provide the data necessary to analyze, detect and prevent cybercrime and better secure computer networks as well as facilitate the quick diagnosis of network problems and collect evidence of insider abuse and malfeasance.

With the USC4060, IPCopper, Inc.'s innovative packet capture appliance design combines fully automatic, stealthy operations, 4 TB storage and 20 Kbit dual encryption with no pre- or post-deployment configuration – all delivered in a robust, yet compact, tamper-proof and lightweight package. USC4060 packet capture appliances require no maintenance and no skill to deploy other than the ability to connect two or three cables. With the USC4060 a fraction of the cost of alternatives, organizations need not use packet capture sparingly, but can deploy these appliances anywhere network recording is needed to further the aims of better network security and better network performance.

Designed from the ground up with speed and security foremost, USC4060 packet capture appliances reap the full potential of modern technology and smash the two barriers of cost and complexity that previously hindered widespread deployment. The USC4060 uses neither an IP address nor a MAC address, achieving an electronic invisibility that reduces the possibility of remote detection to zero. With a 400Mbps sustained capture speed, 165,000 packets per second sustained packet capture rate and a peak capture speed of 1Gbps, IPCopper USC4060 appliances cover the speed and capacity needs of over 95% of businesses.

With the USC4060 and other IPCopper packet capture appliances, information security professionals can implement truly comprehensive network surveillance following the concept of panoramic forensics, which entails creating multiple, overlapping points of packet capture (e.g., at internet connections, between network segments and in front of critical equipment). In the event of an incident, professionals have multiple vantage points from which to determine the course of events, narrow down the affected network segments and conduct analysis.

### Multi-purpose network recording

The IPCopper USC4060 is a multi-purpose packet capture appliance, capable of delivering high-performance, long-term packet capture for network security, network forensics, network monitoring and SLA (service level agreement)-type monitoring for internet-based products and services, which rely on accurate and complete network activity data.

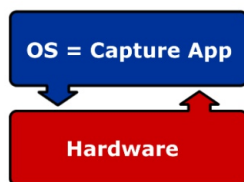
Uniquely suited for both network forensics tasks and SLA monitoring tasks for VoIP and other similar services, the USC4060 features a large memory capacity of 4 TB; once it reaches the 4 TB capacity it starts over from the beginning, overwriting the oldest captured data with the newest. In essence, the USC4060 provides organizations with continuous, uninterrupted full packet capture, giving them a snapshot of the most recent 4 TB of network activity. In the case of SLA monitoring, this allows for the monitoring and diagnosis of internet-service and equipment problems over the long term, without interruption.

*continuous network and ip traffic recorders for network forensics, troubleshooting and network event analysis*

## IPCopper's Strengths

- Compact
- Affordable
- Stealthy, electronically invisible
- Robust, with sealed, tamper-resistant case
- Dedicated, proprietary operating system with all data encrypted, 20Kb key
- No configuration required

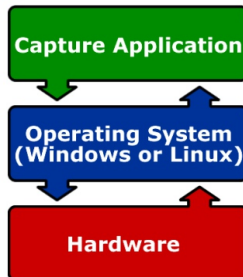
### Comparative Hardware/Software Structure



- Made in USA

## Vs. The Competition

- Bulky
- Expensive
- Visible on network, announces itself and can itself become a target
- Not suitable for undercover deployment
- Usually Windows- or Linux-based OS\*
- Complex installation & configuration



*\* And adding yet another Windows/Linux-based network device creates yet another point of attack*

## Panoramic forensics

The IPCopper USC4060 is also well suited for deployment in conjunction with the IPCopper USC1030, to implement a system of panoramic forensics. Together, these two appliances can be used to secure assets throughout the network, not just at the perimeter, providing additional visibility into intranet communications, individual workgroup network usage and network segment activity.

## Data Retrieval

Input the desired date/time range and the USC4060's command-line utility securely downloads the captured packets into a PCAP file on your computer via an encrypted direct connection.

## Custom features

Customized versions of IPCopper are available with a variety of options, including battery backup, redundant capture and record, filtering capabilities, specialized enclosures and more.

## Options

Many custom and optional features are available, including, for US government and law enforcement agencies only, the ability to set up alternate filter- based encryption, to protect the privacy of non-targeted traffic.

The USC4060 and other models may be ordered with bulletproof (9mm, point blank range) and/or shock-resistant enclosures.

## Uses for the IPCopper USC4060

- Monitor data leakage; see unauthorized data leaving your network.
- Detect intrusions, advanced persistent threats and other network security threats.
- Document compliance with network and data security regulations and policies.
- Monitor internet-based products and services, such as VoIP, cloud computing applications and web apps to fulfill SLA (service level agreement) requirements.
- Log server access; carbon-copy emails, IM chats and other IP-based communications.
- Monitor network activity for insider misuse and anomalies.
- Conduct network forensics; reduce incident response time and time-to-resolution of network events.
- Troubleshoot networking equipment and network performance problems; benchmark servers.

## Contact Us for More Information

IPCopper™ packet capture appliances are designed and manufactured in the USA by IPCopper, Inc. For more information on our packet capture appliances, visit us online at [www.ipcopper.com](http://www.ipcopper.com) or call us at 855-347-8074. Sales email: [sales@ipcopper.com](mailto:sales@ipcopper.com).

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