

HIPswitch Platforms

Bringing trusted identity to your physical, virtual and cloud deployments

Tempered Networks' Identity-Defined Network (IDN) platform provides a unified secure networking fabric that can span any resource, location, and communications medium with no modification of your underlying network. Policies are distributed by the Conductor, our intuitive orchestration engine, and enforced by HIP Services endpoints. Our HIPswitch appliances provide IDN enforcement and support a variety of form factors including physical hardware, virtual, or cloud environments.

HIPSWITCH APPLIANCES CAN CONNECT ANY IP RESOURCE TO ANY OTHER RESOURCE ACROSS THE IDN FABRIC BY VIRTUALIZING A DEVICE'S IP ADDRESS AND BINDING IT TO A UNIQUE CRYPTO-IDENTITY.

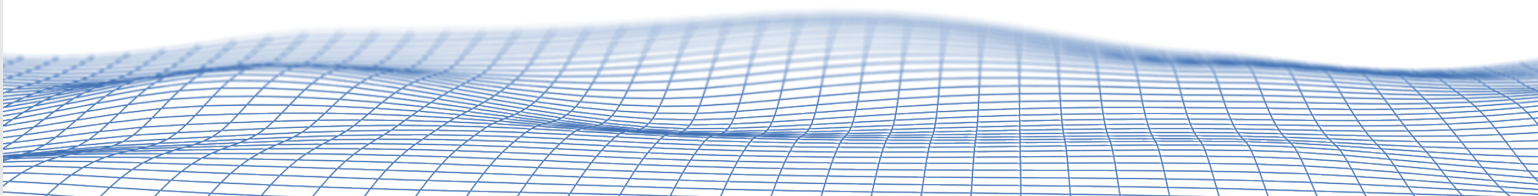
HIPswitch overview

HIPswitches, as do all HIP Services, virtualize a device's IP address and binds it to a unique crypto-identity. The Conductor automatically provisions identities in real-time, based on device whitelisting, allowing you to move devices without IP conflicts and create full mesh-encrypted networks in seconds. HIPswitch appliances are available as physical on-premises hardware, virtual, and cloud environments. The HIPswitch 300v virtual appliance is offered on multiple virtual platforms, including VMware ESXi and Microsoft Hyper-V. Optionally configurable as a high availability pair, HIPswitches support multiple cloud platforms, including AWS, Azure and Openstack.

Administrators can easily and instantly add or revoke HIPswitches to any number of trusted overlays within the IDN fabric, without affecting security or network policies of the underlying infrastructure.

HIPswitch hardware

HIPswitch hardware appliances come in a range of sizes and throughput to accommodate a variety of environments. Configuration options include built-in Ethernet, Wi-Fi, Cellular (2G, 3G, 4G LTE modems), as well as Serial-over IP for the most flexible link connectivity options found in the industry. Physical appliances can fail to wire, Wi-Fi, or cellular and can be configured for high availability depending on your needs. HIPswitches can replace existing cellular modems, access points, VPNs, and internal firewalls for significant CapEx and OpEx savings.



HIPswitch 100 Series

The HIPswitch 100 series has the smallest footprint of the small form factor HIPswitch hardware line, and is purpose-built for commercial and industrial environments, with optional cellular capabilities for AT&T, GCI Alaska, T-Mobile, Verizon in the US, and Rogers and Telus in Canada. These platforms are ideally suited to easily network and cloak endpoints, machines or hosts that can't have software directly installed and effectively protect themselves. HIPswitch 100 series is a great option for protecting hospital medical devices, Point of Sale (PoS) terminals, SCADA and Industrial Control Systems (ICS), HVAC infrastructure, IoT devices, and robots. The HIPswitch 100 series seamlessly connects to any network with wired Ethernet, Serial-Over-IP, and cellular connections (supporting 2G, 3G, 4G LTE modems). Automatic failover is included, and cellular enabled models can replace your existing cellular modems for significant CapEx and OpEx savings.

HIPswitch 200 Series

The HIPswitch 200 series is a mid-range small form factor platform, also purpose built for commercial and industrial deployments, but with twice the performance of the HIPswitch 100 series. Ideally suited for protecting field deployed devices, including hospital medical devices, fixed or mobile Point of Sale (PoS) systems, SCADA and Industrial Control Systems (ICS), HVAC infrastructure, IoT devices, and robotics, the HIPswitch 200 series offers both cellular and WiFi connectivity options, and includes automatic failover across these connection types. The HIPswitch 200 cellular platform supports AT&T and T-Mobile in the US (2G, 3G, 4G LTE modems). As with the HIPswitch 100 series, the 200 series cellular model can replace existing cellular modems for significant CapEx and OpEx savings.

HIPswitch 400 Series

The HIPswitch 400 series is a 1U rack-mounted scalable, secure networking platform. Designed to support mission-critical applications and servers throughout your organization, it's the ideal choice for data center and enterprise network devices, machines or hosts that contain sensitive information, like financial servers, HR applications, 3rd party web services, or any systems with personally identifiable information (PII). The HIPswitch 400 platform maximizes scalability, offering 8 Gigabit Ethernet ports standard, with optional SFP and 10G SFP+ expansion modules. HIPswitch 400 series software subscriptions start at 1Gpbs throughput and go up to 3Gbps throughput, allowing customers to start smaller and pay as they grow. High availability (HA) configurations are also available for seamless failover.

To learn how we provide the most extensible and secure network fabric that works across LAN, WAN, Cloud, Cellular, and Wi-Fi with no boundaries, **contact us at info@temperednetworks.com**.