



# THE SMARTHUB™



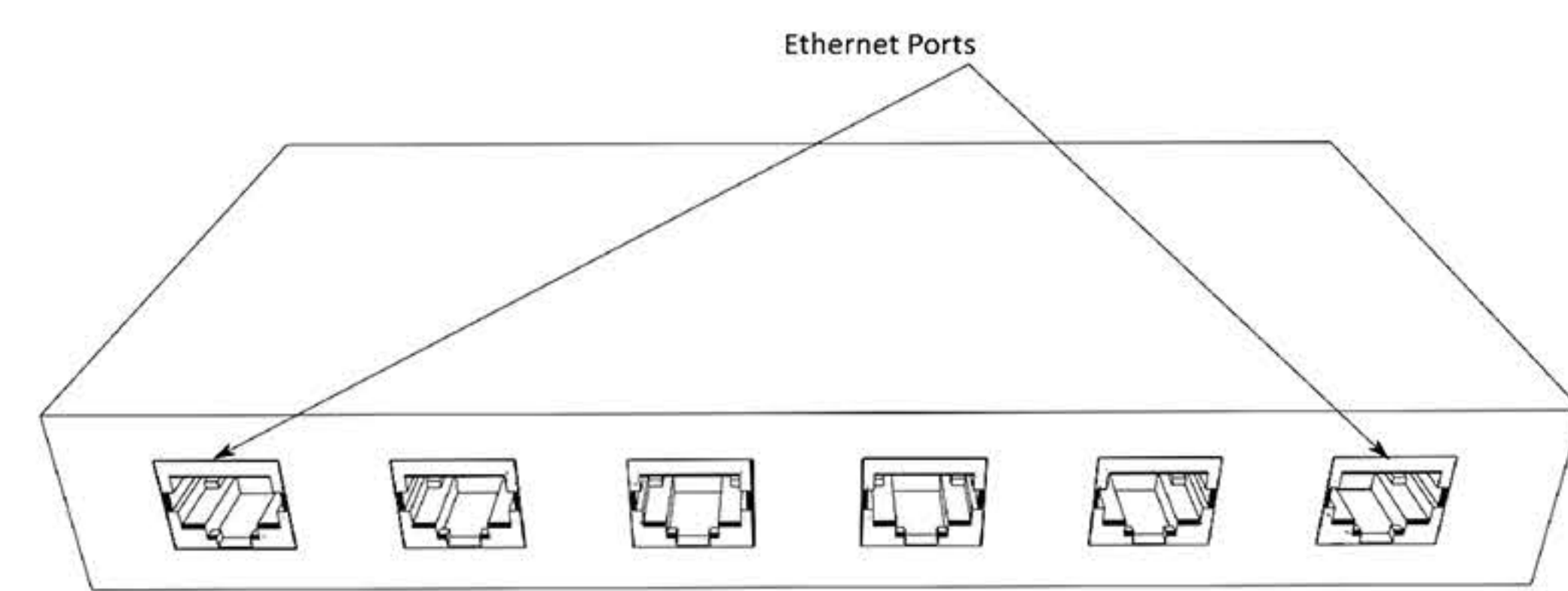
ULTIMATE SECURITY: INCREDIBLE FLEXIBILITY

The SmartPoints™ SmartHub™ is an integrated appliance which functions much like multiple SmartNodes™ with some additional features such as allowing easy web-based configurations of multiple SmartPoints™ enabled devices and networks to talk to each other.

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## Introduction

Although under most circumstances the SmartNode™ Dongle provides unprecedented security by being connected directly to the devices to be secured, there are times when this is neither practical nor desirable. However, it is possible to get all the features of a SmartNode™ in an appliance that can manage multiple devices. In these cases, the SmartHub™ provides an excellent alternative.



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## The Problem

There are times when attaching a dongle to a medical device may be impractical, yet the features provided by SmartNodes™ are still desired, such as the ability to aggregate all communications to one location and to have fine-grained control and visibility into which devices and systems can communicate with which, without upgrading all of your routers, firewalls, and network infrastructure.

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## The Solution

Deploying one or more SmartHubs™ provides a quick, low configuration, highly configurable solution that allows you to provide all the functionality of a “network-wide” point-to-point VPN with all of the additional features of the SmartNode™ and the SmartPoints™ technology stack.

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## Current Versions

SmartPoints™ Medical has multiple working versions of the SmartHub™ capable of acting in single SmartNode™ mode or in full SmartHub™ mode.



Figure 4 : Existing SmartNode/SmartHub Hardware

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## Future Versions

SmartPoints™ Medical Constantly strives to seek out industry expertise to improve features, functions and designs. We work collaboratively with our clients and partners to gather input to develop and deliver best in class solutions. Fully rack-mountable versions can be made available upon request.



Figure 5 : Example 48 Port SmartHub

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## Requirements

Any computer network using TCP or UDP based communication protocols that are routed at least in part over an Ethernet based network segment. One standard 120V/220V outlet and a place to put the SmartHub™.

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## Business Benefits

- Reduced operational costs
- Significantly increased security and visibility
- Increased regulatory compliance
- Provides OEM “phone home” capabilities required by most OEMs
- Eliminates the need for multiple, managed VPNs.
- Eliminates the need for sophisticated network access control lists (ACLs).
- Full enterprise control and visibility.
- Does not require revalidation of medical devices.
- SmartPoints™ Hyper-Secure technology.
- Ability to “tie” to specific devices.
- Powerful post-installation configuration available legacy and newer devices.
- Easy network-attached device auditing.