



EtherGap™ V 1.0 (Patent Pending)

Air Gap Controller with Data Bus Isolation and Out of Band Control Signaling

Product Overview

Air gap isolation is the only methodology which provides highly reliable security for data and networks. Historically, the tradeoff for using an air gap has been convenience and ease. By providing microprocessor controlled out of band control signaling from a completely isolated physical channel, the EtherGap™ makes automated use of a full air gap as easy as a traditional VLAN, but vastly more secure.

Features and Benefits

- ® Gigabit Ethernet ports for Common, Normally Connected, and Normally Disconnected segments. Even with full power loss, the default states are preserved.
- ® Gigabit Ethernet port for administrative network. Never connected to any outside WAN, this fully isolated interface allows for triggering the EtherGap to open or close via timer setting (cron, etc.), API, web or mobile app interface, front panel touch screen, and numerous other means. Flexibility allows you maximum convenience making use of an air gap easy and convenient. Out of band signaling on a separate physical layer means it is impossible for anyone to open or close the air gap to access your data so long as the admin network is kept physically isolated.
- ® Front panel 5" touch screen allows for easy, instant operation at the device. The device can be locked with a numeric keypad securing it from the display.
- ® 3 USB ports for accessories (keyboard, mouse, etc.) or USB flash updates to system. (included for lifetime at no additional charge)
- ® HDMI port for mirrored console screen.
- ® Built on the Raspbian operating system – you are free to write your own software interfaces/tools to operate the EtherGap™.
- ® Optional integrated UPS power system provides backup power for over 20 hours
- ® Built in secure, isolated WiFi access point (optional enablement) for admin interface allows secure access without hardwired connection of the Admin interface to any network. Turn off/on from the touch console anytime for added security when not in use. (Does NOT use existing WiFi systems nor cloud, etc. – this is a direct connection to the device from your mobile device using a private SSID coming from the EtherGap directly. Must be within 200 feet of device to use.)
- ® Automated logging of all activity allows easy auditing and security maintenance
- ® Lifetime Full Warranty. Made in the USA.

Specifications:

19" Rackmount or tabletop

2u rack height with 6" depth

Power: 6 VDC at 3.0A stepped down from 110VAC

Internal UPS option – full power for over 20 hours.

Images:

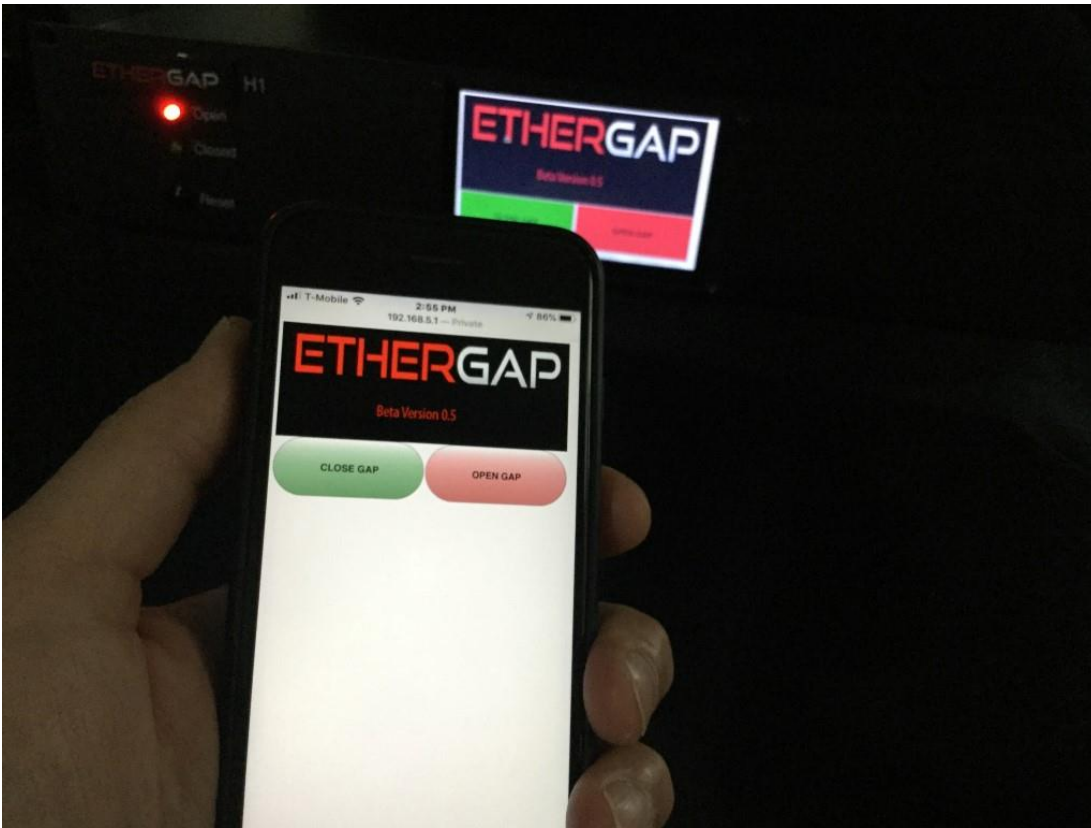
Front panel touch screen operation with air gap in open position (red LED). Adjustable bright status LEDs are easily visible across a data center.



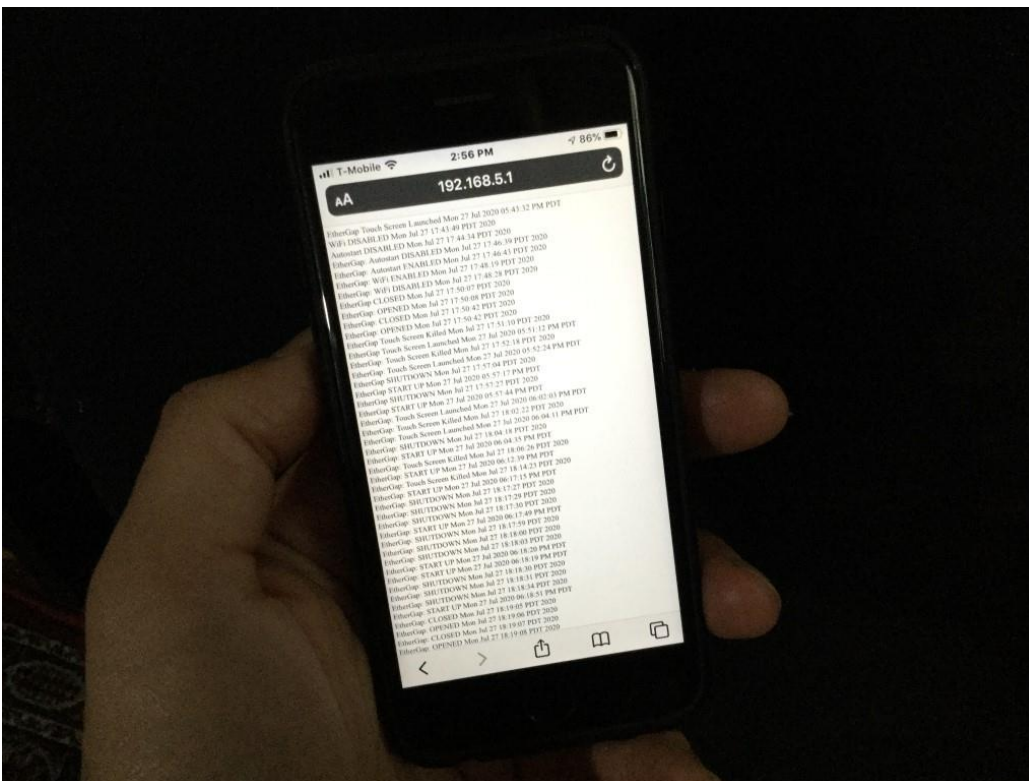
Rear panel showing RJ45 interfaces (Admin, Common, Normally Open, Normally Closed), peripheral interfaces (3 USB 3.0, 1 HDMI) and power connection and switch.



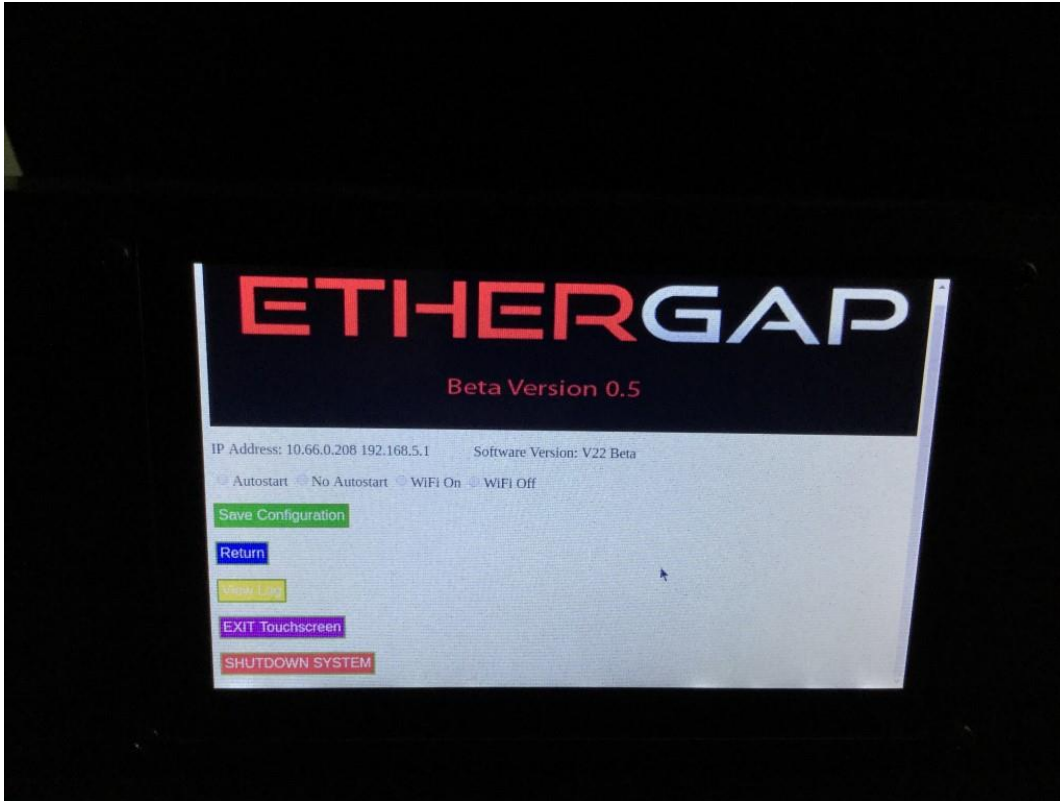
Secure isolated WiFi mobile device air gap operation via web browser. An app for IOS and Android is also available.



Secure isolated WiFi mobile device log viewing:



Main touch screen settings configuration. Left IP address is hardwired (if connected) and right IP is WiFi Access (if enabled)



Beta testing program currently underway with units available at reduced cost in exchange for evaluation feedback.

For more information, contact:



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