Terafence
IoT Cyber Security

Terafence Bypass module

Basic Features

- Total galvanic network separation
- Terafence proprietary hardware chip (FPGA)
- Totally transparent to network
- TCP/IP Protocol agnostic
- Full TCP/IP bi-directional protocols support
- Auto disconnection after preset time out
- Mechanical button operation*
- Optional - remote Wired controlled**
- Optional - out-of-band remote operation***

Security Features

- Security hardware has no OS, no MAC/IP
- Total galvanic separation at OSI L1 when open
- Ture plug and play, ZERO configuration.

Technical Specification

- 1Gbps data throughput
- Near ZERO latency
- Power – 5/12/24VDC MAX 20 Watt
- Network Ports - 2xRG-45 CAT5E ports
- DIN Rail, Wall-mount or Rack shelve
- Operating temperature – (-40) ~ (+80)OC
- Relative Humidity - 95% @40°C non-condensing
- In-door use only

Terafence is proud to offer a unique, secure, and innovative network security appliance – Terafence Bypass module.

Terafence manufactures Cyber Security hardware products to allow security architects the freedom in protecting their networks as needed.

Terafence Bypass is a stand-alone unit that allows direct network connectivity between two network segments. By a press of a mechanical button the two networks are joined at ISO L2. No bridging / routing required.

Terafence BSG utilizes a proprietary FPGA data diode, manufactured by Terafence, to create an appliance that is protocol agnostic and yet extremely safe and secure. While disconnected, total galvanic network separation exists, no logical or software separation involved.

The unit has no MAC address, no IP, no OS, no memory.

* Open/Close/Extend timeout.

** Project based solution.

*** Available in future releases.

Terafence's Partner Details:

www.hennsol.com.au
Info@hennsol.com.au

TERAFENCE COMPRISES
PROFESSIONALS TO MAKE IoT & NoT
SECURE FROM MALICIOUS ATTACKS

Terafence Ltd. specialises in the development of advanced firmware/microchip solution for cyber security connectivity and additional mechanical waves based solution to control medical implants and wearable devices. Established in 2015, Their patent pending TFence™ technology uniquely offers total protection from tampering or hacking IoT devices by completely blocking data entry – while maintaining data outflow and control. And relevant patent describing secure way to control implants and wearable based on ultra sound waves. Their pioneering company comprises seasoned professionals sharing a common goal – to make IoT and NoT safe and secure from malicious attacks.

www.terafence.com