

## HiOS EtherNet/IP stack vulnerability

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Version: 1.0

### Executive Summary

The HiOS industrial protocol EtherNet/IP stack is vulnerable to EtherNet/IP packets with incorrect length field.

### Details

On a device with the industrial protocol EtherNet/IP enabled, sending UDP EtherNet/IP packets to the device with a length in the header that is larger than the actual packet length can cause a crash or hang of the EtherNet/IP stack within the switch device.

### Impact

The switch device can be crashed or brought into an inoperable state if the industrial protocol EtherNet/IP is enabled on the device and an attacker sends corrupted UDP EtherNet/IP packet(s) to the IP address/EtherNet/IP UDP port of the device.

### Affected Products

Brand	Product Line / Platform	Product	Version
Hirschmann	HiOS	RSP, RSPE, RSPS, MSP, EES, GRS1040, OS, RED, BRS	08.0.00 and lower (starting with 05.0.00, which introduced EtherNet/IP support)

### Solution

Updates are available, which address the vulnerability. Customers are advised to update their product.

Brand	Product Line / Platform	Product	Version
Hirschmann	HiOS	RSP (2A/3S), RSPE, MSP, GRS1040, OS, BRS	08.1.00 or higher
Hirschmann	HiOS	RSP (2S), RSPS, EES, RED	07.1.01 or higher

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**Revisions**

V1.0 (2020-09-09):

Bulletin created.