24-R&D-0300

Multiple Vulnerabilities in Operator Interfaces

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Overview

It has been discovered that our operator interfaces contain multiple vulnerabilities caused by the TCP/IP stack.

Affected products

The following products and software versions are affected.

Product name	Software version
HG5G/4G/3G/2G-V Series Operator Interfaces	Ver.4.85 and earlier
HG4G/3G Series Operator Interfaces	Ver.4.85 and earlier
HG2G-5F Series Operator Interfaces	Ver.4.85 and earlier
HG2G-5T Series Operator Interfaces	Ver.4.85 and earlier
HG1G Series Operator Interfaces	Ver.4.85 and earlier
HG1P Series Operator Interfaces	Ver.4.85 and earlier

Description of vulnerabilities

Our operator interfaces use a TCP/IP stack manufactured by Zuken Elmic, and the following known vulnerabilities (commonly known as "URGENT/11" and "Ripple20") exist in the TCP/IP stack.

CVE-2019-12264	CVE-2020-11908
CVE-2020-11901	CVE-2020-11909
CVE-2020-11903	CVE-2020-11910
CVE-2020-11904	CVE-2020-11911
CVE-2020-11906	CVE-2020-11912
CVE-2020-11907	CVE-2020-11914

Impact

An attacker may be able to execute arbitrary code, steal information, or perform a denial of service (DoS) attack.

Countermeasures for Customers

The fixed products and software versions are as follows.

	Software version
HG5G/4G/3G/2G-V Series Operator Interfaces	Ver.4.86 and later
HG4G/3G Series Operator Interfaces	Ver.4.86 and later
HG2G-5F Series Operator Interfaces	Ver.4.86 and later
HG2G-5T Series Operator Interfaces	Ver.4.86 and later
HG1G Series Operator Interfaces	Ver.4.86 and later
HG1P Series Operator Interfaces	Ver.4.86 and later

Please download the latest version of each software from our website and update it.

Mitigations/Workarounds

In order to minimize the risk of these vulnerabilities being exploited, please use a closed network such as a dedicated network or VPN. For details, please refer to the Security Precaution on our website.

Update history

This vulnerability information page was published on August 29, 2024.

Contact information

Please contact us via our website.