PANDUIT®
infrastructure for a connected world

G6 Firmware Release Notes 5.3.0
Rev1.0

Contents

General 3
Tested Application Compatibility 3
Released Production Files 3
Product Upgrade 3
New Features 4
New Features added in version 5.3.0 4
Resolved Issues 5
Issues resolved by version G6 5.3.0 5
Issues resolved by version G6 5.2.9 5
Outstanding Issues 6
New Issues 6
Existing Issues 6
Release History 12

General

Tested Application Compatibility

Application	*Support*	*Known Limitations*
Security Handle	V4.2	
GUT	V3.0.1	
LBT	V4.8	

Released Production Files

Product Upgrade

Image Information

```
Filename: panduit.fw
Version: 5.3.0
CRC32: B8097B4F
SHA256: ae45c7c227d20de2dd104a7501f16cd7bc67ac62bb4968b79a5e3c14139ea633
Filesize: 30631998 bytes
```

New Features

New Features added in version 5.3.0

- Maintenance release

Resolved Issues

Issues resolved by version G6 5.3.0

Issue ID	*Title*
G5-1952	OLED fails to display 'USB status = Closed' when USB disabled.
G5-2911	G6 - openssh 9.9 - July 8 - new vulnerabilities

Issues resolved by version G6 5.2.9

Issue ID	*Title*
G5-2866	Dry contact sensor reads 'Open' on the CLI / Data Log when the sensor is closed, WebUI and LCD reads correctly as 'Closed'
G5-2868	Host IP is shown as 0.0.0.0 in the Event Log on Telnet event.
G5-2877	CLI command "pwr phase" shows incorrect frequency
G5-2887	When Event & Alarm Level Customization is Enabled for a Rope sensor, Enable / Disable the Alarm Setting produces a Critical trap
G5-2903	SSH Vulnerabilities in G6 (5.2.5)
G5-2912	SSH vulnerability in G6 PDU - CVE-2024-6387

Outstanding Issues

New Issues

The following reported problems have been found since the previous release and are still outstanding in this release.

Issue ID	*Title*	*Version*	*Status*
G5-2931	Unable to Remote unlock the handle through CLI	G6 5.3.0	Deferred
G5-2933	Outlet control through CLI for Daisy chained PDU says "command failed", when it was successful	G6 5.3.0	Deferred
G5-2946	After a config file upload, Daisy chain PDU power thresholds are not PDU #1 duplicated	G6 5.3.0	Deferred
G5-2947	SSH is accessible at Port 22 even after changing port to 27.	G6 5.3.0	Deferred

G5-2931 Unable to Remote unlock the handle through CLI

Using the CLI to remotely lock and unlock the handle does not work.

Workaround: Use the Web UI.

G5-2933 Outlet control through CLI for Daisy chained PDU says "command failed", when it was successful

Unknown format

*Workaround:*Unknown format

G5-2946 After a config file upload, Daisy chain PDU power thresholds are not PDU #1 duplicated

After a config file upload, Some Daisy PDU # Input, Energy, Phase and Phase Power thresholds are at the factory default, not PDU #1 duplicated.

Workaround: None

G5-2947 SSH is accessible at Port 22 even after changing port to 27.

When configuring SSH to a different port, port 22 still accepts SSH connections.

Workaround: None.

Existing Issues

The following reported problems were found prior to the previous release and are still outstanding.

Issue ID	*Title*	*Version*	*Status*
G5-1375	EngineBoot not incrementing. Should increment after each boot.	3.1.10	Deferred
G5-1692	Energy Alarm thresholds do not work.	G6 1.0.0.H	Deferred
G5-1743	CLI command "net phy 10100mbps" has no effect	G6 1.0.0.H	Deferred
G5-1919	Cannot set IPv6 static address to a link-local address	G6 1.0.4	Deferred
G5-1964	Resettable Energy is incorrect.	G6 5.0.2	Deferred
G5-1965	Resettable Energy does not reset to ZERO consistently across all Web UI and SNMP variables when set through SNMP	G6 5.0.2	Deferred
G5-2013	State of two state sensors do not always reflect the correct state of the sensor through SNMP.	G6 5.0.2	Deferred
G5-2176	FTPs Connects to Port 21 Even if FTPs Port Is Set to 25	G6 5.1.4	Deferred
G5-2191	CLI 'usr login' fails to list all logged in users	G6 5.1.5	Deferred
G5-2216	False Assert Below Low Critical temperature and humidity traps when handle is connected	G6 5.1.5	Deferred
G5-2221	User 'landlord' is not usable after executing the command 'dev daisy rna init'	G6 5.1.5	Deferred
G5-2225	False Low Warning traps after COLD iHandle is unplugged from PDU #1	G6 5.1.5	Deferred
G5-2286	Setting the energy threshold values through SNMP is reversed as compared to the MIB. 0 is disabled and 1 is enabled.	G6 5.1.6	Deferred
G5-2287	Line Frequency alarm stuck on PDU. Alarm occurred when PDU was in Power share mode and did not clear when power was restored.	G6 5.1.6	Deferred
G5-2383	Cygwin SNMP get returns a timeout when using returned pdug5IPv6Address	G6 5.1.7.2	Deferred
G5-2392	Entering an IPv6 address with a scope ID can leave the PDU's network in a bad state.	G6 5.1.7.2	Deferred
G5-2509	Syslog+TLS does not conform to RFC5425 (missing "MSG-LEN SP" prefix)	G6 5.2.0	Deferred
G5-2510	Syslog message timestamps are always reported as +00:00 (the wrong timezone for all but the +00:00 timezone)	G6 5.2.0	Deferred
G5-2519	pdug5InputEnergyThresholdThCtrl can be written and read, but it has no effect on the Web UI alarm settings	G6 5.2.0	Deferred
G5-2659	Trap 1103 triggered when unlocked by Authorized user	G6 5.2.1.4	Deferred
G5-2869	Upload Conf.ini does not change "Input Cord Type"	G6 5.2.6	Deferred

G5-1375 EngineBoot not incrementing. Should increment after each boot.

The SNMPv3 EngineBoot counter is not incrementing.

Workaround: None

G5-1692 Energy Alarm thresholds do not work.

Energy Alarm thresholds do not work.

Workaround: None

G5-1743 CLI command "net phy 10100mbps" has no effect

Running the CLI command "net phy 10100mbps" will cause the system to reset and keep the system in "auto negotiation"

Workaround: None

G5-1919 Cannot set IPv6 static address to a link-local address

Cannot set IPv6 static address to a link-local address

Workaround: Use a non-link local address.

G5-1964 Resettable Energy is incorrect.

Resettable Energy is incorrect.

Workaround: None

G5-1965 Resettable Energy does not reset to ZERO consistently across all Web UI and SNMP variables when set through SNMP

Resettable Energy does not reset the Phase, Group or outlet data.

Workaround: None

G5-2013 State of two state sensors do not always reflect the correct state of the sensor through SNMP.

The SNMP can only read the alarm state of the two-state sensors (water, contact sensor) do not always reflect the current state of the sensor. If the alarm state of the sensor is disabled through the WebUI, the sensor will always return the none alarmed

Workaround: Leave the alarm state of the sensor enabled.

G5-2176 FTPs Connects to Port 21 Even if FTPs Port Is Set to 25

FTPs Connects to Port 21 Even if FTPs Port Is Set to 25

Workaround: none, you need to use port 21.

G5-2191 CLI 'usr login' fails to list all logged in users

The CLI command "usr login" only show the current user instead off all users logged into the system.

Workaround: None

G5-2216 False Assert Below Low Critical temperature and humidity traps when handle is connected

When connecting a Security handle to the PDU, sometimes the low temperature and humidity alarms are incorrectly reported. The alarms will clear shortly after this.

Workaround: Ignore the traps.

G5-2221 User 'landlord' is not usable after executing the command 'dev daisy rna init'

User 'landlord' is not usable after executing the command 'dev daisy rna init'

Workaround: Login as 'admin'. Change the password for the 'landlord' user. Login as 'landlord' with the changed password.

G5-2225 False Low Warning traps after COLD iHandle is unplugged from PDU #1

Low warning temperature and humidity alarms may be raised when a handle is disconnected from the system.

Workaround: If the handle is being permanently removed from the system, restart the system to clear the alarm. Otherwise reconnect the handle.

G5-2286 Setting the energy threshold values through SNMP is reversed as compared to the MIB. 0 is disabled and 1 is enabled.

Setting the energy threshold values through SNMP is reversed as compared to the MIB. 0 is disabled and 1 is enabled.

Workaround: Use the WebUI to set the energy thresholds.

G5-2287 Line Frequency alarm stuck on PDU. Alarm occurred when PDU was in Power share mode and did not clear when power was restored.

When the frequency alarm occurs while a PDU in power save, the alarm may not correctly clear when the main power is restored to the PDU.

Workaround: Do a system restart and the alarm will clear.

G5-2383 Cygwin SNMP get returns a timeout when using returned pdug5IPv6Address

Some applications have issues communicating to the link local address.

Workaround: Use the global IPv6 address.

G5-2392 Entering an IPv6 address with a scope ID can leave the PDU's network in a bad state.

Entering a scope ID on a static IPv6 address can leave the PDU network in an indeterministic state.

Workaround: Don't enter a scope ID when configuring the IP address.

G5-2509 Syslog+TLS does not conform to RFC5425 (missing "MSG-LEN SP" prefix)

Syslog+TLS does not conform to RFC5425 (missing "MSG-LEN SP" prefix)

Workaround: Reconfigure your syslog server to accept RFC3164 or RFC5424 messages on the TLS port.

G5-2510 Syslog message timestamps are always reported as +00:00 (the wrong timezone for all but the +00:00 timezone)

The timezone parameter is always "UTC" in the syslog message.

Workaround: None

G5-2519 pdug5InputEnergyThresholdThCtrl can be written and read, but it has no effect on the Web UI alarm settings

Updating the input energy threshold control through SNMP has no effect on threshold settings.

Workaround: Update the settings on the WebUI.

G5-2659 Trap 1103 triggered when unlocked by Authorized user

Sometimes the Trap 1103 triggered incorrectly.

Workaround: Ignore the trap.

G5-2869 Upload Conf.ini does not change "Input Cord Type"

Upload Conf.ini does not change "Input Cord Type"

Workaround: Use the WebUI or CLI to configure the cord type.

Release History

Revision	Date	Reason for Change
5.0.2	November 11, 2022	Preliminary Release
5.1.2	December 4, 2022	General Maintenance
5.1.6	March 24, 2023	General Maintenance
5.2.1	February 23, 2024	Secure Logging Release
5.2.5	February 14, 2025	Outlet Groups, General Maintenance
5.2.6	February 15, 2026	General Maintenance
5.3.0	November 8, 2026	General Maintenance