

## G6 Firmware Release Notes 5.2.6 Rev1.0

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## General

### Tested Application Compatibility

<i>Application</i>	<i>Support</i>	<i>Known Limitations</i>
Security Handle	V4.2	
GUT	V3.0.1	
LBT	V4.8	

### Released Production Files

#### Product Upgrade

##### *Image Information*

Filename: panduit.fw

Version: 5.2.6

CRC32: 344C62CB

SHA256: f3b9ecb9e49cb9fe3b9f2fefbb260c4ffadf4fe2d359a3f3a8d5313500a2ed48

Filesize: 30552791 bytes

## New Features

### New Features added in version 5.2.6

- Maintenance release

## Resolved Issues

### Issues resolved by version G6 5.2.6

<i>Issue ID</i>	<i>Title</i>
G5-1763	The GET of API "/redfish/v1/PowerEquipment/RackPDUs/1/OutletGroups" fails
G5-1771	On the outlet control page, Outlets 'in use' should be black and Outlets 'not in use' should be grey. This does not work reliably
G5-1813	Serial number is missing the leading 'C' for iHandle.
G5-2189	Dry Contact sensor values are 0 and 1 in the data log. Should match WebUI and G5 with open and close.
G5-2207	Status LED is Green when the Dry Contact / Spot / Rope Sensor is alarmed
G5-2218	OLED screen falls into power save mode much earlier than 1 hr. of inactivity
G5-2344	PDU Status LED is Red when Alarm level is set to 'Information' for Spot / Rope Sensor
G5-2674	Phase Apparent Power Upper Warning de-assert trap code is 1147 for all three phases
G5-2680	Rack users cannot be added when iHandle is connected to only Daisy chained PDU
G5-2750	Missing low warning alarm events on daisy chained PDU
G5-2751	Missing group current high warning alarm events on daisy chained PDU
G5-2764	Clearing of Power Share alarms are INFORMATION TRAPS and not CLEAR traps (860 861)

## 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
G5-2866	Dry contact sensor reads 'Open' on the CLI / Data Log when the sensor is closed, WebUI and LCD reads correctly as 'Closed'	G6 5.2.6	Deferred
G5-2868	Host IP is shown as 0.0.0.0 in the Event Log on Telnet event.	G6 5.2.6	Deferred
G5-2869	Upload Conf.ini does not change "Input Cord Type"	G6 5.2.6	Deferred
G5-2877	CLI command "pwr phase" shows incorrect frequency	G6 5.2.6	Deferred
G5-2887	When Event & Alarm Level Customization is Enabled for a Rope sensor, Enable / Disable the Alarm Setting produces a Critical trap	G6 5.2.6	Deferred

**G5-2866** Dry contact sensor reads 'Open' on the CLI / Data Log when the sensor is closed, WebUI and LCD reads correctly as 'Closed'

The Dry Contact sensor read open when it is closed in the data log. It reads 0 when open in the data log.

*Workaround:* None

**G5-2868** Host IP is shown as 0.0.0.0 in the Event Log on Telnet event.

Host IP is shown as 0.0.0.0 in the Event Log on Telnet event.

*Workaround:* None

**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.

**G5-2877** CLI command "pwr phase" shows incorrect frequency

The CLI command "pwr phase" always shows zero for a frequency.

*Workaround:* Use "pwr unit"

**G5-2887** When Event & Alarm Level Customization is Enabled for a Rope sensor, Enable / Disable the Alarm Setting produces a Critical trap

When Event & Alarm Level Customization is set for a binary sensor, the configuration change trap is set to the priority of the event customization.

*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
G5-1774	API "/redfish/v1/Managers/1/NetworkService" and "/redfish/v1/Managers/1/LogServices/Log/Entries" never return	G6 1.0.0.H	Deferred
G5-1812	RFID reader version is not being displayed.	G6 1.0.1	Deferred
G5-1866	CLI command 'dev outlet status' shows Open when the outlet is on and Close when outlet is off	G6 1.0.4	Deferred
G5-1893	Retries on the email setting does not seem to be working	G6 1.0.4	Deferred
G5-1904	SNMP walk of MIB ends incorrectly. Error "No more variables left in this MIB View (It is past the end of the MIB tree)" given.	G6 1.0.4	Deferred
G5-1919	Cannot set IPv6 static address to a link-local address	G6 1.0.4	Deferred
G5-1952	OLED fails to display 'USB status = Closed' when USB disabled.	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
G5-1986	CLI command "usr" returns parameter error	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
G5-2212	FTPS Status Changes Even Without Confirmation/Reboot	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
G5-2289	The PDU will accept an invalid the energy threshold control value when setting the value through SNMP.	G6 5.1.6	Deferred
G5-2383	Cygnus SNMP get returns a timeout when using returned pdu5IPv6Address	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	pdu5InputEnergyThresholdThCtrl 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

**G5-1375** 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

**G5-1774** API "/redfish/v1/Managers/1/NetworkService" and "/redfish/v1/Managers/1/LogServices/Log/Entries" never return



API "/redfish/v1/Managers/1/NetworkService" and  
"/redfish/v1/Managers/1/LogServices/Log/Entries" never return

*Workaround:* None

**G5-1812** RFID reader version is not being displayed.

RFID reader version is not being displayed.

*Workaround:* None

**G5-1866** CLI command 'dev outlet status' shows Open when the outlet is on and Close when outlet is off

CLI command 'dev outlet status' shows Open when the outlet is on and Close when outlet is off

*Workaround:* Know when CLI says open, it means the outlet is on

**G5-1893** Retries on the email setting does not seem to be working

The retries on the SMTP do not work. If an error occurs, the message will not be re-transmitted.

*Workaround:*None

**G5-1904** SNMP walk of MIB ends incorrectly. Error "No more variables left in this MIB View (It is past the end of the MIB tree)" given.

Doing a walk of the entire mib will end with an error "No more variables left in this MIB View (It is past the end of the MIB tree)".

*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.

**G5-1952** OLED fails to display 'USB status = Closed' when USB disabled.

There is no way to disable the OLED access on the PDU.

*Workaround:* None

**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

**G5-1986** CLI command "usr" returns parameter error

The CLI command "usr" is not implemented.

*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

**G5-2212** FTPS Status Changes Even Without Confirmation/Reboot

If you disable FTPS using "net ftps off" and choose to not reboot, it actually takes effect immediately.

*Workaround:* Ignore the "Reboot required for change to take effect" text. Reboot if desired.

**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.

- G5-2289** The PDU will accept an invalid the energy threshold control value when setting the value through SNMP.

Setting the SNMP energy threshold control value (OID = pdu5InputEnergyThresholdThCtrl) to a value outside the given range does not produce an error. However, the PDU will accept the value and do nothing with it. For example, most threshold control OIDs accept any value 0-15. However, the energy threshold is only 0-3 because there are no low energy alarms.

*Workaround:* Use only values 0-3.

- G5-2383** Cygwin SNMP get returns a timeout when using returned pdu5IPv6Address

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** pdu5InputEnergyThresholdThCtrl 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.

## 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