



Where Automation Connects.



**PLX35-NB2**  
**Network Bridge**  
Stand Alone Gateway

June 10, 2024

**RELEASE NOTES**

## Your Feedback Please

We always want you to feel that you made the right decision to use our products. If you have suggestions, comments, compliments or complaints about our products, documentation, or support, please write or call us.

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PLX35-NB2 Release Notes

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June 10, 2024

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# 1 Start Here

This document highlights the new features, fixes, enhancements and known issues for the PLX35-NB2 gateway.

## 1.1 About the PLX35-NB2

The PLX35-NB2 Network Bridge is the ideal solution for system integrators, machine builders, or anyone requiring remote access to machines for commissioning, troubleshooting, or maintenance. Once a Network Bridge is deployed and a ProSoft Connect account has been created, you are ready to remotely access the automation equipment, reducing travel and saving money. The remote connection is made through ProSoft Connect, our secure, cloud-native platform for the Industrial Internet of Things.

## 1.2 Release Enhancements

Release Version	Release Date	Description
1.8.39	3-June-2024	<p><b>New Features:</b></p> <ul style="list-style-type: none"> <li>Belden Horizon On-Prem support has been added.</li> </ul> <p><b>Fixes and Changes:</b></p> <ul style="list-style-type: none"> <li>Fixed – Pop up displayed after factory reset shows port 80.</li> <li>Fixed – ProSoft Discovery Service shows port 80.</li> <li>Fixed – DHCP server function not working on LAN.</li> <li>Fixed – Customer not able to connect to remote network through the PLX35-NB2.</li> </ul> <p><b>Known Issues:</b></p> <ul style="list-style-type: none"> <li>Users cannot downgrade to versions prior to v1.6.90 due to new signing key method implementation.</li> <li>Using the file system check process on the SD card may encounter errors on first try.</li> </ul> <p><b>Workaround:</b> Repeat file check process. If it fails again, check SD card. Refer to PLX35-NB2 user manual for additional information.</p> <ul style="list-style-type: none"> <li>SFTP Server Host Keys not accepted: DSA 1024, ECDSA secp256k1. SFTP Server Host Keys accepted: RSA 2048, RSA 3072, RSA 4096, Ed25519 255, ECDSA nistp256, ECDSA nistp384, ECDSA nistp521.</li> </ul>
1.7.1	25-Jul-2022	<p><b>New Features:</b></p> <ul style="list-style-type: none"> <li>None</li> </ul> <p><b>Fixes and Changes:</b></p> <ul style="list-style-type: none"> <li>Fixed – Users no longer require the use of port 8080 when accessing the local UI.</li> <li>Change – ProSoft Connect™ is now called Belden Horizon™. Please go to <a href="http://www.prosoft-technology.com">www.prosoft-technology.com</a> for more information.</li> </ul> <p><b>Known Issues:</b></p> <ul style="list-style-type: none"> <li>Users cannot downgrade to lower versions from 1.6.90, due to new signing key method implementation.</li> <li>Using the file system check process on the SD card may encounter errors on first try.</li> </ul> <p><b>Workaround:</b> Repeat file check process. If it fails again, check SD card. Refer to user manual for additional information.</p> <ul style="list-style-type: none"> <li>The following SFTP Server Host Keys are accepted: RSA 2048, RSA 3072, RSA 4096, Ed25519 255, ECDSA nistp256, ECDSA nistp384, ECDSA nistp521.</li> <li>The following SFTP Server Host Keys are <b>not</b> accepted: DSA 1024, ECDSA secp256k1.</li> </ul>
1.6.90	7-Apr-2022	<p><b>New Features:</b></p> <ul style="list-style-type: none"> <li>Login attempts are recorded and the user must wait 10 minutes after 5 consecutive failed attempts.</li> <li>Users can perform packet capture on the LAN or WAN interface from ProSoft Connect.</li> <li>Packet capture file names include timestamp of when the file was created on the gateway.</li> <li>Displays available memory as part of device diagnostics.</li> <li>Option of configuring Subnet Mask and Default Gateway</li> </ul>

		<p>parameters in LAN interface.</p> <p><b>Fixes and Changes:</b></p> <ul style="list-style-type: none"><li>• Fixed - Device disconnecting issue in ProSoft Connect.</li><li>• Fixed - Use of Static Symmetric Encryption Key, Private Key, and Certificate parameters.</li><li>• Fixed - File Relay feature accepts untrusted symbolic links.</li></ul> <p><b>Known Issues:</b></p> <ul style="list-style-type: none"><li>• Users cannot downgrade to lower versions from 1.6.90, due to new signing key method implementation.</li><li>• Using the file system check process on the SD card may encounter errors on first try. <b>Workaround:</b> Repeat file check process. If it fails again, check SD card. Refer to user manual for additional information.</li><li>• The following SFTP Server Host Keys are accepted: RSA 2048, RSA 3072, RSA 4096, Ed25519 255, ECDSA nistp256, ECDSA nistp384, ECDSA nistp521.</li><li>• The following SFTP Server Host Keys are <b>not</b> accepted: DSA 1024, ECDSA secp256k1.</li></ul>
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1.5.50	8-May-2020	<p><b>New Features:</b></p> <ul style="list-style-type: none"> <li>Secure FTP File Relay</li> <li>Outgoing File Relay destination can be set to ProSoft Connect</li> <li>Mandatory password change at first logins Mandatory Password Change at First Login</li> <li>Reset to Factory Default configuration from Local UI</li> </ul> <p><b>Fixes and Changes:</b></p> <ul style="list-style-type: none"> <li>Tunnel stability improvements</li> </ul> <p><b>Known Issues:</b></p> <ul style="list-style-type: none"> <li>Using the file system check process on the SD card may encounter errors on first try. <b>Workaround:</b> Repeat file check process. If it fails again, check SD card. Refer to user manual for additional information.</li> <li>SFTP Server Host Keys not accepted: DSA 1024, ECDSA secp256k1. SFTP Server Host Keys accepted: RSA 2048, RSA 3072, RSA 4096, Ed25519 255, ECDSA nistp256, ECDSA nistp384, ECDSA nistp521</li> <li>ProSoft Connect support for File Relay - Coming soon.</li> </ul>
1.4.50	2-Jan-2020	<ul style="list-style-type: none"> <li>Offers File Relay support using the gateway SD card</li> <li>Support for dual OpenVPN connections</li> </ul> <p><b>Fixes and Changes:</b></p> <ul style="list-style-type: none"> <li>Security fixes and improvements</li> <li>Other bug fixes and small changes</li> </ul> <p><b>Known Issues:</b></p> <ul style="list-style-type: none"> <li>Using the file system check process on the SD card may encounter errors on first try. <b>Workaround:</b> Repeat file check process. If it fails again, check SD card. Refer to user manual for additional information.</li> </ul>
1.3.22	15-Mar-2019	<ul style="list-style-type: none"> <li>Support for retrieving the logs from PSC</li> <li>Support for remote shell for the Support Team</li> <li>Various changes related to device time, including manual time setting and a better handling of NTP servers</li> <li>Various improvements related to PSC connections</li> <li>Various improvement and bug fixes related to NAT</li> <li>Log reader</li> </ul> <p><b>Fixes and Changes:</b></p> <ul style="list-style-type: none"> <li>Various bugs fixes related to boot-up</li> <li>User Interface fixes</li> <li>Removed map location. Google switched to key-based usage only for Google Maps API, quotas are exceeded.</li> </ul>

1.2.31	9-Nov-2018	<ul style="list-style-type: none"><li>• Updated file system for increased stability</li><li>• Improved network parameters validation</li><li>• Minor bug fixes</li></ul> <p><b>Important Note:</b></p> <ul style="list-style-type: none"><li>• After upgrading to this version, downgrading to previous firmware versions is incompatible</li></ul>
1.2.13	20-Jul-2018	<ul style="list-style-type: none"><li>• Fixed file system stability issue</li><li>• Minor bug fixes</li></ul> <p><b>Important Note:</b></p> <ul style="list-style-type: none"><li>• After upgrading to this version, downgrading to previous firmware versions is incompatible</li></ul>
1.1.57	21-Dec-2017	<ul style="list-style-type: none"><li>• Fixed browser compatibility issues</li><li>• Improved debugging functions</li><li>• User interface updates and enhancements</li></ul> <p><b>Known Issues:</b></p> <ul style="list-style-type: none"><li>• After reboot, the first tunnel may fail and needs to be retried</li><li>• When using the PLX35 as a DHCP Server, the subnet mask is limited to 255.255.255.0 (/24) only</li></ul>



## 2 Support, Service & Warranty

### 2.1 Contacting Technical Support

ProSoft Technology, Inc. is committed to providing the most efficient and effective support possible. Before calling, please gather the following information to assist in expediting this process:

- 1 Product Version Number
- 2 System architecture
- 3 Network details

If the issue is hardware related, we will also need information regarding:

- 1 Module configuration and associated ladder files, if any
- 2 Module operation and any unusual behavior
- 3 Configuration/Debug status information
- 4 LED patterns
- 5 Details about the interfaced serial, Ethernet or Fieldbus devices

**Note:** For technical support calls within the United States, ProSoft Technology's 24/7 after-hours phone support is available for urgent plant-down issues.

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For additional ProSoft Technology contacts in your area, please visit:  
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### 2.2 Warranty Information

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