



Where Automation Connects.



ELXM-SW6

ProLinx Edge™ Mini

802.11a, b, g, n, ac, ax

May 15, 2025

RELEASE NOTES

Your Feedback Please

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ELXM-SW6 Release Notes
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Contents

Your Feedback Please	2
Content Disclaimer	2
1 Start Here	4
1.1 Special Notes	4
1.2 About the ProLinux Edge™ Mini Products.....	4
1.3 Release Enhancements	5
2 Support, Service & Warranty	6
2.1 Contacting Technical Support	6
2.2 Warranty Information.....	6

1 Start Here

This document highlights the new features, fixes, enhancements and known issues for the ELXM-SW6.

1.1 Special Notes

This section contains information regarding special procedures and potential limitations that may be required for this release.

1.2 About the ProLinux Edge™ Mini Products

Model	Standards	Maximum Output Power
ELXM-SW6	IEEE 802.11a/b/g/n/ac/ax	20 dBm (100 mW)

The ELXM-SW6 dual-band 802.11 Industrial Client is a high-speed wireless Ethernet radio operating at speeds up to 1020 Mbps. Designed for industrial installations, the ELXM-SW6 series offer many features including hazardous location certifications, IGMP Snooping, OFDM for noise immunity, QoS, VLANs, Enterprise security, automatic parent selection for self-healing, Ethernet/IP and SNMPv2 for remote diagnostics, extended temperature, high vibration/shock and DIN-rail or panel mounting.

1.3 Release Enhancements

Release Version	Release Date	Description
ELXM_v0042A	21-Apr-2025	<p>Features/Improvements</p> <ul style="list-style-type: none"> • None <p>Resolved issues from ELXM_v0042:</p> <ul style="list-style-type: none"> • The link mode was incorrectly displayed as 802.11ac instead of 802.11ax on the ELXM main web page when in the 2.4 GHz band. • Resolved issue when receiving an AMSDU with more than two MSDUs in it. The sequence numbering of intermediate MSDUs was being incorrectly interpreted. • Now limits the maximum Rx Block Ack window reported to the associated Access Point to 64, to match that configured into the radio card firmware.
ELXM_v0042	18-Mar-2025	<p>Features/Improvements</p> <ul style="list-style-type: none"> • Added full support for all 802.11ac and 802.11ax Tx Rates with either 1 or 2 streams. • Added support for 40MHz and 80MHz channel widths. • Added support for SRD channels (149-165) in ELXM-SW6-E model. • Added a new startup syslog event with more information about the device (name, model, firmware version, config signatures). • Added the new LED patterns being requested by the IH Browser to un-commissioned or unmanaged units. <p>Resolved issues from ELXM_v0041:</p> <ul style="list-style-type: none"> • Now detects and handles event log entries that were not preserved across a power cycle. • Now ensures that the ELXM, when in Client mode, always adopts its Tx Power setting from advertised value in its APs Beacon. • Ensures response to IH Browser's Software Module Signature request has valid signatures for all modules. • Corrects how the <i>Config_Files</i> and <i>OS_Files</i> Signatures reported in the EIP agent and serial log are calculated. • Now does not revert to factory defaults if the Reset to User Defaults web button is pressed and no User Defaults were saved in the unit. • Tx Attenuation control now attenuates independently of the max regulatory power allowed on a channel. • Removed unsupported WEP options from web settings. • Removed variables that are not supported by ELXM from settings template provided to IH Browser so they do not display. • Limits passphrase to 63 characters.

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

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