

## Software Name: ioLogik E1241 Firmware

Version No.	Build Date No./Release Date	Supported OS	Apply to Models	New Features/Enhancements	Bugs Fixed/Changes	Note
1.8	Build11092917	N/A	ioLogik E1241	<b>New Features:</b> 1. Added Locating I/O function in General Settings. 2. Added Modbus address function code=0x08 for "ECHO" function. 3. Counter overflow status is displayed on Channel Settings, and can be manually cleared. 4. Added Modbus address for Peer-to-peer connection and safe mode status. 5. Peer-to-peer connection and safe mode status are displayed on Channels Safe Mode Settings.  <b>Enhancements:</b> 1. Improved firmware upgrading speed. 2. Removed Modbus/TCP ID checking mechanism	<b>Bugs Fixed:</b> 1. One DO/AO channel should only be peered by one DI/AI channel. 2. No matter safe mode is triggered by Watchdog or Peer-to-peer, the DO/AO status under safe mode should be the same.  <b>Changes:</b> N/A	N/A
1.9	Build11112413	N/A	ioLogik E1241	<b>New Features:</b> N/A  <b>Enhancements:</b> 1. Ensured system to work properly after unstable power condition.	<b>Bugs Fixed:</b> N/A  <b>Changes:</b> N/A	N/A
2.0	Build13041515	N/A	ioLogik E1241	<b>New Features:</b> 1. Support SNMP protocol 2. Add P2P heartbeat function  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> N/A  <b>Changes:</b> N/A	1. This version of firmware works with the ioSearch V1.5 or later only 2. Use web console when upgrading firmware from
2.2	Build14121211	N/A	ioLogik E1241	<b>New Features:</b> 1. Support ioLogik 2500 expansion mode 2. Support safe mode auto-clear function 3. Support scaling  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. When the Heart beat Interval Time = 0, the P2P server will reconnect continuously 2. When P2P client heartbeat is set larger than 256, the time interval will be incorrect  <b>Changes:</b> N/A	N/A
2.4	Build16053018	N/A	ioLogik E1241	<b>New Features:</b> 1. Improve protocol efficiency with ioLogik 2500 series  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> N/A  <b>Changes:</b> N/A	N/A

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2.5	Build16091211	N/A	ioLogik E1241	<p><b>New Features:</b></p> <ol style="list-style-type: none"> <li>1. Added AO 0-20 mA mode (only on hardware v1.0.2 and later)</li> <li>2. Added EtherNet/IP protocol.</li> <li>3. Added RESTful API.</li> <li>4. Added new registers for Modbus/TCP protocol.</li> <li>5. Added new OIDs of SNMP protocol.</li> <li>6. Modbus, EtherNet/IP, RESTful Services can be disabled (default: enable).</li> <li>7. Added sending heartbeat to 9500 port of MX-AOPC UA Server after heartbeat function is enabled.</li> <li>8. Increased password length from 8 to 16.</li> <li>9. Added checking special character function for preventing from Cross-Site Scripting</li> <li>10. Changed sending password from GET to POST method.</li> </ol> <p><b>Enhancements:</b></p>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>1. Fixed file transfer with Chrome browser issue (e.g. firmware update, configuration import or export).</li> <li>2. Fixed wrong scaled value</li> </ol> <p><b>Changes:</b> N/A</p>	N/A
3.0	Build17111512	N/A	ioLogik E1241	<p><b>New Features:</b></p> <ol style="list-style-type: none"> <li>1. Added OPTIONS method for RESTful API</li> <li>2. Added quick access URI for RESTful API</li> </ol> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>1. Added SNMP Trap Community Setting on web console</li> <li>2. Mentioned max. 16 characters on password setting page</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>1. Fixed DHCP lease time did not ask for extension when half of the lease time elapsed.</li> <li>2. Closed IP forwarding function (Port 0).</li> <li>3. Closed UDP Port 161 when SNMP agent is disabled.</li> <li>4. Fixed RESTful API header case-sensitive issue.</li> <li>5. Fixed invalid token issue on login page when using Firefox.</li> </ol> <p><b>Changes:</b></p>	<ol style="list-style-type: none"> <li>1. This version of firmware works with the ioSearch V2.0 or later only</li> <li>2. Update only the next or the previous released firmware version to prevent from system failure</li> </ol>

**Warning:** To avoid system failure while updating the firmware, follow the instructions given in Appendix I in ioLogik E1200 series user's manual.