

About This Digital I/O Module

Some 1756 ControlLogix Digital I/O modules, including this module, are transitioning to use a new, internal backplane ASIC. As a result, the module's Major Revision number has also been upgraded. Digital I/O modules with the new ASIC are identified at Major Revision 3.x.

Modules with the new internal backplane ASIC are form-fit, functional equivalents to the 2.x modules.

You can use Major Revision 3.x modules as direct replacements for Major Revision 2.x modules if the Electronic Keying of the module is specified as Compatible Keying or Disabled Keying. For more information, see *If Using an Compatible or Disabled Keying I/O Configuration*.

If the Electronic Keying of the module is specified as Exact Keying, you must complete additional steps. For more information, see *If Using an Exact Match Keying Configuration*.

The use of the upgraded ASIC also impacts the firmware revisions that may be flashed to the module. Digital I/O modules at Major Revision 3.x cannot be backflashed to any 2.x firmware revision. Digital I/O modules at firmware revision 2.x cannot be flash upgraded to any firmware revision 3.x.

If Using an Compatible or Disabled Keying I/O Configuration

If you are replacing a 2.x module with a 3.x module and have configured the 2.x module to use Compatible or Disabled Keying, further steps are not required.

If you use Compatible or Disabled Keying configurations, 3.x modules can be used as a direct replacements for a 2.x modules.

If Using an Exact Match Keying Configuration

If you are currently using a 2.x module configured at Exact Match keying, consider changing module Electronic Keying in the I/O configuration to Compatible or Disabled Keying.