



ProcessLogix Firmware Update 2 for 1756 ASIC 3.0 I/O Modules

Catalog Numbers 1757-PLX52, 1756-IA16, 1756-IA16I, 1756-IB16, 1756-IB16D, 1756-IB16I, 1756-IB32, 1756-IM16I, 1756-OA8D, 1756-OA16, 1756-OA16I, 1756-OB16D, 1756-OB16I, 1756-OB32

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IMPORTANT

Install this update on all ProcessLogix Servers and Engineering Workstations used in any of the following systems:

- ProcessLogix R320.0
- ProcessLogix R400.0 SP2
- ProcessLogix R500.1 SP1
- ProcessLogix R510.0

that include any of the following ASIC 3.0 I/O modules:

- 1756-IA16
- 1756-IA16I
- 1756-IB16
- 1756-IB16D
- 1756-IB16I
- 1756-IB32
- 1756-IM16I
- 1756-OA8D
- 1756-OA16
- 1756-OA16I
- 1756-OB16D
- 1756-OB16I
- 1756-OB32

Before You Begin

Before beginning the installation, download **ProcessLogix ASIC3x Update 2.exe** to your ProcessLogix Servers and Engineering Workstations.

Required System Components

The following software components must be installed on your Servers before you install this firmware update:

- For ProcessLogix R510.0:
 - Windows 2000 Server Service Pack 4
 - Internet Explorer 6 Service Pack 1
- For ProcessLogix R500.1 SP1:
 - Windows 2000 Server Service Pack 2
 - Windows 2000 Security Rollup
 - Internet Explorer 6 web browser with Internet Explorer 6.0 Security Update
- For ProcessLogix R400.0 SP2:
 - Windows 2000 Server Service Pack 2
 - Windows 2000 Security Rollup
 - Internet Explorer 6 web browser with Internet Explorer 6.0 Security Update
- For ProcessLogix R320.0:
 - Windows NT version 4.0 Service Pack 6a
 - Internet Explorer 5.01 web browser
 - Microsoft Data Access Components 2.1

Enhancements

The new NTools software version 500.1.1.18 is released with ProcessLogix R500.1 SP1 and R510.0 systems.

Corrected Anomalies

The following anomalies are resolved with this firmware update.

Anomaly Number	Description
Lgx00070711	New hardware qualification: ASIC3.0 1756 IOM-IA16, OB32, OA16
Lgx00070555	New hardware qualification: ASIC 3.0 IO - Remaining Modules

Install the Server Update

You must complete this procedure on all Servers in your ProcessLogix system. If you have a redundant Server pair, you must complete the following procedure on SERVERB first, and then repeat the procedure for SERVERA. Before beginning the installation, be certain that SERVERA is the Primary Server and the Servers are synchronized.

1. Close ProcessLogix NTools software.
2. Double-click ProcessLogix ASIC3x Update 2.exe.
3. Click Setup.

The following files are installed.

File Type	I/O Module	Location and File Name
Firmware	1756-IA16	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16\3_2\99513301.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16\3_2\99513301.bin
	1756-IA16I	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16\3_2\99412201.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16\3_2\99412201.bin
	1756-IB16	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16\3_2\99513401.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16\3_2\99513401.bin
	1756-IB16D	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16D\3_2\99413401.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16D\3_2\99413401.bin
	1756-IB16I	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16\3_2\99412001.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16\3_2\99412001.bin
	1756-IB32	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB32\3_5 (B)\99455503.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB32\3_5 (B)\99455503.bin
	1756-IM16I	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IM16\3_2\99412401.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IM16\3_2\99412401.bin
	1756-OA8D	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA8D\3_3\99413802.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA8D\3_3\99413802.bin
	1756-OA16	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16\3_2\99414001.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16\3_2\99414001.bin
	1756-OA16I	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16\3_2\99412101.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16\3_2\99412101.bin
	1756-OB16I	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16\3_2\99411901.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16\3_2\99411901.bin
	1756-OB16D	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16D\3_2\99413701.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16D\3_2\99413701.bin
	1756-OB32	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB32\3_2\99513501.nvs C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB32\3_2\99513501.bin

File Type	I/O Module	Location and File Name
EDS	1756-IA16	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700090300.eds
	1756-IA16I	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700050300.eds
	1756-IB16	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\00010007000B0300.eds
	1756-IB16D	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700020300.eds
	1756-IB16I	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700060300.eds
	1756-IB32	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\00010007000C0300.eds
	1756-IM16I	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700170300.eds
	1756-OA8D	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700030300.eds
	1756-OA16	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\00010007000D0300.eds
	1756-OA16I	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700070300.eds
	1756-OB16D	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700040300.eds
	1756-OB16I	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700080300.eds
	1756-OB32	C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS\0001000700110300.eds
NTools	N/A	C:\Honeywell\tps50\system\bin\ntools.exe ⁽¹⁾

⁽¹⁾ NTools version 500.1-01.18 is installed only to ProcessLogix R500.1 SP1 and R510.0 systems.

4. At the Installation Complete window, click OK.

If you have a non-redundant Server, the update is complete.

If you have redundant Server, repeat steps 1 through 4 on SERVERA.

Install the Engineering Workstation Update

To install the Engineering Workstation update, complete the following steps.

- 1.** Close ProcessLogix NTools software.
- 2.** Double-click ProcessLogix ASIC3x Update2.exe.
- 3.** Click Setup.

The files listed in the table above are installed.

4. At the Installation Complete window, click OK.

The update is complete.

Register EDS Files

Complete the following steps to register the EDS files.

IMPORTANT

You must register the EDS files on every Server in your ProcessLogix system.

1. Click Start > Program > Rockwell Software > RSLinx Tools > EDS Hardware Installation Tool.
2. Click Add/Remove.
3. At the Register Device window, select Register a directory of EDS files.
4. Browse to C:\Program Files\Rockwell Software\RSCOMMON\ProcessLogix EDS and click OK.
5. Click Next.
6. At the EDS file Installation Test Results window, click Next.
7. At the Change Graphic Image window, click Next.
8. At the Final Task Summary window, click Next.
9. At the Completing the EDS Wizard window, click Finish.
10. Right-click the My Computer icon and select Manage.
11. Expand Services and Applications and select Services.

IMPORTANT

In the following step, RSLinx software is restarted. This action also restarts the ProcessLogix Control Data Access Server service which will temporarily interrupt Control Builder communication with the controller.

12. Right-click RSLinx and select Restart.
13. At the Restart Other Services window, click Yes.
14. Close the Computer Management window.

Firmware Update

Use NTOOLS to update the firmware in the I/O modules. ASIC 2.x modules already in use do not need to be updated; the firmware in these modules is already compatible with ProcessLogix.

For more information on updating the firmware in the I/O modules, refer to the firmware update section in the Installation and Upgrade Guide that corresponds to your revision of ProcessLogix.

IMPORTANT

- Do not flash an ASIC 3.x I/O module with 2.x firmware.
- Do not flash an ASIC 2.x I/O module with 3.x firmware.
- Be certain to select the correct .nvs file. Flashing with the wrong revision will render the module inoperable.
- Do not update more than one module of a given type at one time. Do not select the option that allows you to update identical modules.

I/O Module	ASIC Revision	Firmware Revision Compatible with ProcessLogix R320.0 or later	Location
1756-IA16	2.2	2.4	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16\2_4\99213204.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16\3_2\99513301.nvs
1756-IA16I	2.1	1.7	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16I\1_7\99205306.nvs
	2.2	2.1	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16I\2_1\99218401.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IA16I\3_2\99412201.nvs
1756-IB16	2.2	2.4	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16\2_4\99212904.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16\3_2\99513401.nvs
1756-IB16D	2.6	2.5	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16D\2_5\99219004.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16D\3_2\99413401.nvs
1756-IB16I	2.1	1.7	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16I\1_7\99205106.nvs
	2.2	2.1	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16I\2_1\99218601.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB16I\3_2\99412001.nvs
1756-IB32	2.2	2.6	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB32\2_6\99207106.nvs
	3.5	3.5	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IB32\3_5(B)\99455503.nvs
1756-IM16I	2.1	1.7	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IM16I\1_7\99204006.nvs
	2.2	2.1	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IM16I\2_1\99219801.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-IM16I\3_2\99412401.nvs
1756-OA8D	2.2	2.4	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA8D\2_4\99218903.nvs
	3.0	3.3	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA8D\3_3\99413802.nvs
1756-OA16	2.2	2.3	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16\2_3\99216503.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16\3_2\99414001.nvs

1756-OA16I	2.1	1.7	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16I_7\99205206.nvs
	2.2	2.1	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16I_2_1\99218501.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OA16I_3_2\99412101.nvs
1756-OB16D	2.2	2.3	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16D_2_5\99219102.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16D_3_2\99413701.nvs
1756-OB16I	2.1	1.7	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16I_7\99205006.nvs
	2.2	2.1	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16I_2_1\99218701.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB16I_3_2\99411901.nvs
1756-OB32	2.2	2.4	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB32_2_4\99207203.nvs
	3.0	3.2	C:\Honeywell\TPS50\System\Firmware\IOM\Digital\1756-OB32_3_2\99513501.nvs

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www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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