March 20, 2023

# PRODUCT END OF LIFE (EOL) NOTIFICATION

**Description**

Due to obsolesce of key components, Fairmount Automation will be forced to discontinue production of the current generation of Chameleon AIN-1, ASM-1, DIN-1, DAM-1, DAM-2, DAM-3, NIM-1, NIM-2, NIM-3, NIM-4, NIM-6, and NIM-7 module active boards and FAC-2100 products. Chameleon wiring hubs and enclosures for the above modules are not EOL. The complete list of affected part numbers can be found in the table at the end of this notification.

**Mitigation**

In 2022 Fairmount Automation initiated design of the next generation of Chameleon and FAC-2100 products. This new generation of products called Chameleon+ and FAC-2100+ was designed to replace obsolete components with modern electronic components and to incorporate new product features. We encourage all customers to begin planning a migration of existing and future installations to the next-generation Chameleon+ and FAC-2100+ products.

Fairmount Automation has acquired parts to fulfill all existing purchase orders, as well as a limited supply of parts for future purchase orders. We anticipate being able to fulfill new purchase orders placed through December 31, 2023. However, quantities available to purchase may be limited to ensure parts are available to allow all customers sufficient time to transition to the next-generation products.

We will continue to provide technical support on all EOL products. In addition, we will continue to repair the EOL products for as long as replacement parts can be acquired.

**Differences Between Current and Next Generation Products**

Chameleon+ and FAC-2100+ products have been designed to be mechanical and electrical drop-in replacements[1] for current generation devices. All existing software programs will run in the next generation products without modification. All environmental, mechanical, and electrical specifications maintain full compatibility with all existing installations. Next generation products can be used in combination with current generation products[2] (e.g., you can combine new and current generation devices within the same node or installation.)

Some new features of Chameleon+ and FAC-2100+ products include:

- Significantly faster microprocessors and increased memory

- Cyber security enhancements including secure boot with firmware and configuration validation, intrusion detection, role-based authentication control (RBAC), hardware validation, encrypted files/communication, trust groups, and historical logging with evidence of critical events

- USB ports that may be used for configuration and/or computer-less programming

- Module expansion port for installation of optional features such as two-port Ethernet in any module

Additional information regarding these features and part numbers for new Chameleon+ and FAC-2100+ parts will be made available on our website soon.

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[1] Some NIM-2 installations may require also updating the Ethernet daughterboard when converting to Chameleon+. Contact Fairmount Automation for more information.

[2] All products that use next generation Chameleon+ or FAC-2100+ require use of (new) v5.2.xxx firmware, Design Pad, and Schema Viewer.

**Part Numbers Impacted by this EOL Notification**

| Base Module Type | Part Number | Description |
|---|---|---|
| AIN-1 | 01012-013 | AIN-1 with Gray Enclosure |
| | 01012-313 | AIN-1 with Black Enclosure (without Stuffing Tubes) |
| | 01014-013 | AIN-1 Full-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-313 | AIN-1 Full-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11066-200 | AIN-1 Active Board and Gray Cover |
| | 11066-250 | AIN-1 Active Board and Black Cover |
| | 11066-260 | AIN-1 Active Board and Metal Cover |
| ASM-1 | 01012-065 | ASM-1 with Gray Enclosure |
| | 01012-365 | ASM-1 with Black Enclosure (without Stuffing Tubes) |
| | 01014-065 | ASM-1 Full-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-365 | ASM-1 Full-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11070-200 | ASM-1 Active Board and Gray Cover |
| | 11070-250 | ASM-1 Active Board and Black Cover |
| DAM-1 | 01012-003 | DAM-1BK with Gray Enclosure |
| | 01012-303 | DAM-1BK with Black Enclosure (without Stuffing Tubes) |
| | 01012-326 | DAM-1ISO with Black Enclosure (without Stuffing Tubes) |
| | 01014-003 | DAM-1BK Full-Sized Gray Enclosure with Wiring Hub Assembly |
| | 01014-026 | DAM-1ISO Full Size Gray Enclosure and Wiring Hub |
| | 01014-303 | DAM-1BK Full-Sized Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 01014-326 | DAM-1ISO Full Size Black Enclosure and Wiring Hub (without Stuffing Tubes) |
| | 11047-202 | DAM-1 Active Board and Gray Cover |
| | 11047-252 | DAM-1 Active Board and Black Cover |
| DAM-2 | 01012-014 | DAM-2BK with Gray Enclosure |
| | 01012-019 | DAM-2ISO with Gray Enclosure |
| | 01012-314 | DAM-2BK with Black Enclosure (without Stuffing Tubes) |
| | 01012-319 | DAM-2ISO with Black Enclosure (without Stuffing Tubes) |
| | 01014-014 | DAM-2BK Full Size Gray Enclosure and Wiring Hub Assembly |
| | 01014-019 | DAM-2ISO Full-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-314 | DAM-2BK Full Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 01014-319 | DAM-2ISO Full-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11047-200 | DAM-2 Active Board and Gray Cover |
| | 11047-250 | DAM-2 Active Board and Black Cover |
| DAM-3 | 01012-072 | DAM-3ISO with Gray Enclosure |
| | 01012-373 | DAM-3ISO with Black Enclosure (without Stuffing Tubes) |
| | 01014-073 | DAM-3ISO Full-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-373 | DAM-3ISO Full-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11093-200 | DAM-3 Active Board and Gray Cover |
| | 11093-250 | DAM-3 Active Board and Black Cover |
| | 11093-260 | DAM-3 Active Board and Metal Cover |

| Base Module Type | Part Number | Description |
|---|---|---|
| DIN-1 | 01012-062 | DIN-1 with Gray Enclosure |
| | 01012-362 | DIN-1 with Black Enclosure (without Stuffing Tubes) |
| | 01014-062 | DIN-1 Full-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-362 | DIN-1 Full-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11063-200 | DIN-1 Active Board and Gray Cover |
| | 11063-250 | DIN-1 Active Board and Black Cover |
| FAC-2100 | 01003-021 | FAC-2100 Digital Controller with DC Input Power and 28VDC Output |
| | 01003-022 | FAC-2100 Digital Controller with DC Input Power, 28VDC Output, and Solid-State Relays |
| NIM-1 | 01012-002 | NIM-1 with Gray Enclosure |
| | 01012-302 | NIM-1 with Black Enclosure (without Stuffing Tubes) |
| | 01014-002 | NIM-1 Half-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-302 | NIM-1 Half-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11030-200 | NIM-1 Active Board and Gray Cover |
| | 11030-250 | NIM-1 Active Board and Black Cover |
| NIM-2 | 01012-006 | NIM-2 with Gray Enclosure |
| | 01012-030 | NIM-2TF with Gray Enclosure |
| | 01012-033 | NIM-2LC1 with Gray Enclosure |
| | 01012-034 | NIM-2LC1TF with Gray Enclosure |
| | 01012-037 | NIM-2LC2 with Gray Enclosure |
| | 01012-038 | NIM-2LC2TF with Gray Enclosure |
| | 01012-047 | NIM-2ST1 with Gray Enclosure |
| | 01012-050 | NIM-2ST2 with Gray Enclosure |
| | 01012-071 | NIM-2STS1 with Gray Enclosure |
| | 01012-306 | NIM-2 with Black Enclosure (without Stuffing Tubes) |
| | 01012-330 | NIM-2TF with Black Enclosure (without Stuffing Tubes) |
| | 01012-333 | NIM-2LC1 with Black Enclosure (without Stuffing Tubes) |
| | 01012-334 | NIM-2LC1TF with Black Enclosure (without Stuffing Tubes) |
| | 01012-337 | NIM-2LC2 with Black Enclosure (without Stuffing Tubes) |
| | 01012-338 | NIM-2LC2TF with Black Enclosure (without Stuffing Tubes) |
| | 01012-347 | NIM-2ST1 with Black Enclosure (without Stuffing Tubes) |
| | 01012-350 | NIM-2ST2 with Black Enclosure (without Stuffing Tubes) |
| | 01012-371 | NIM-2STS1 with Black Enclosure (without Stuffing Tubes) |
| | 01014-006 | NIM-2 Full-Size Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-030 | NIM-2TF Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-033 | NIM-2LC1 Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-034 | NIM-2LC1TF Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-037 | NIM-2LC2 Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-038 | NIM-2LC2TF Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-047 | NIM-2ST1 Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-050 | NIM-2ST2 Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |

| Base Module Type | Part Number | Description |
|---|---|---|
| NIM-2 | 01014-071 | NIM-2STS1 Full-Sized Gray Enclosure with Wiring Hub & Daughter Board Assemblies |
| | 01014-306 | NIM-2 Full-Size Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-330 | NIM-2TF Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-333 | NIM-2LC1 Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-334 | NIM-2LC1TF Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-337 | NIM-2LC2 Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-338 | NIM-2LC2TF Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-347 | NIM-2ST1 Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-350 | NIM-2ST2 Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 01014-371 | NIM-2STS1 Full-Sized Black Enclosure and Wiring Hub & Daughter Board Assemblies (without Stuffing Tubes) |
| | 11025-200 | NIM-2 Active Board and Gray Cover |
| | 11025-250 | NIM-2 Active Board and Black Cover |
| | 11025-260 | NIM-2 Active Board and Metal Cover |
| NIM-3 | 01012-009 | NIM-3 with Gray Enclosure |
| | 01012-309 | NIM-3 with Black Enclosure (without Stuffing Tubes) |
| | 01014-009 | NIM-3 Half-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-309 | NIM-3 Half-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11030-201 | NIM-3 Active Board and Gray Cover |
| | 11030-251 | NIM-3 Active Board and Black Cover |
| NIM-4 | 01012-010 | NIM-4 with Gray Enclosure |
| | 01012-310 | NIM-4 with Black Enclosure (without Stuffing Tubes) |
| | 01014-010 | NIM-4 Half-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-310 | NIM-4 Half-Size Back Enclosure with Wiring Hub Assembly (without Stuffing Tubes) |
| | 11030-202 | NIM-4 Active Board and Gray Cover |
| | 11030-252 | NIM-4 Active Board and Black Cover |
| NIM-6 | 01012-017 | NIM-6 with Gray Enclosure |
| | 01012-317 | NIM-6 with Black Enclosure (without Stuffing Tubes) |
| | 01014-017 | NIM-6 Half-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-317 | NIM-6 Half-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11050-200 | NIM-6 Active Board and Gray Cover |
| | 11050-250 | NIM-6 Active Board and Black Cover |
| NIM-7 | 01012-024 | NIM-7 with Gray Enclosure |
| | 01012-324 | NIM-7 with Black Enclosure (without Stuffing Tubes) |
| | 01014-024 | NIM-7 Half-Size Gray Enclosure with Wiring Hub Assembly |

| Base Module Type | Part Number | Description |
|---|---|---|
| NIM-7 | 01014-324 | NIM-7 Half-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11057-200 | NIM-7 Active Board and Gray Cover |
| | 11057-250 | NIM-7 Active Board and Black Cover |
| PCM-1 | 01012-000 | PCM-1 with Gray Enclosure |
| | 01012-300 | PCM-1 with Black Enclosure (without Stuffing Tubes) |
| | 01014-000 | PCM-1 Full-Size Gray Enclosure with Wiring Hub Assembly |
| | 01014-300 | PCM-1 Full-Size Black Enclosure and Wiring Hub Assembly (without Stuffing Tubes) |
| | 11013-200 | PCM-1 Active Board and Gray Full-Size Cover |
| | 11013-250 | PCM-1 Active Board and Black Full-Size Cover |