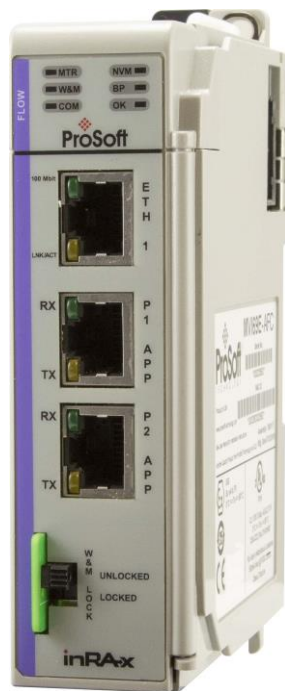


Where Automation Connects.



MVI69E-AFC

Enhanced Liquid and Gas Flow
Computer for CompactLogix®

July 8, 2022

Your Feedback Please

We always want you to feel that you made the right decision to use our products. If you have suggestions, comments, compliments or complaints about our products, documentation, or support, please write or call us.

ProSoft Technology, Inc.

+1 (661) 716-5100

+1 (661) 716-5101 (Fax)

www.prosoft-technology.com

support@prosoft-technology.com

MVI69E-AFC Release Notes

v4.06.000

For public use.

July 8, 2022

ProSoft Technology®, is a registered copyright of ProSoft Technology, Inc. All other brand or product names are or may be trademarks of, and are used to identify products and services of, their respective owners.

Content Disclaimer

This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither ProSoft Technology nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein. Information in this document including illustrations, specifications and dimensions may contain technical inaccuracies or typographical errors. ProSoft Technology makes no warranty or representation as to its accuracy and assumes no liability for and reserves the right to correct such inaccuracies or errors at any time without notice. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

No part of this document may be reproduced in any form or by any means, electronic or mechanical, including photocopying, without express written permission of ProSoft Technology. All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components. When devices are used for applications with technical safety requirements, the relevant instructions must be followed. Failure to use ProSoft Technology software or approved software with our hardware products may result in injury, harm, or improper operating results. Failure to observe this information can result in injury or equipment damage.

© 2022 ProSoft Technology. All Rights Reserved.

Contents

Your Feedback Please	2
Content Disclaimer	2
1 Start Here	4
1.1 Compatibility	4
1.2 About the MVI69E-AFC	4
2 Release Enhancements and Known Issues	5
3 Support, Service & Warranty	6
3.1 Contacting Technical Support.....	6
3.2 Warranty Information	6

1 Start Here

This document highlights the new features, fixes, enhancements and known issues for the MVI69E-AFC.

1.1 Compatibility

The following table shows the base firmware and operating system kernel versions that are compatible with each application firmware version.

Application Firmware Image		Base Firmware Image		OS Kernel Version
4.06.001 #056	30-Jun-2022	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.06.000 #044	07-Mar-2022	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.05.002 #023	31-Mar-2021	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.05.001 #022	25-Feb-2020	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.05.000 #021	24-Sep-2019	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.04.002 #017	30-May-2019	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.04.001 #014	12-Feb-2019	1.01 #001	26-Jul-2018	2.6.33.7 #16
4.04.000 #012	12-Sep-2018	1.01 #001	26-Jul-2018	2.6.33.7 #16

1.2 About the MVI69E-AFC

ProSoft Technology's in-chassis flow computer solution allows you to combine the power and scalability of a CompactLogix® automation system with the functionality typically only seen in standalone flow computers or dedicated measurement RTUs. This provides you with the industry standard calculations, archiving, and reporting needed for custody transfer and allocation-based measurement functions for Oil and Gas operations.

2 Release Enhancements and Known Issues

Release Version	Release Date	Feature Enhancements and Known Issues
4.06.001	30-Jun-2022	<ul style="list-style-type: none"> MASC accumulator periods based upon contract day instead of calendar day. Meter extended totalizer contract period accumulator increment enhancement to only require single boundary transition.
4.06.000	07-Mar-2022	<ul style="list-style-type: none"> Mass allocation shrinkage calculations. API 20.1 Water cut methods (static, live, and density based). Pressure bias (offset) process input scaling. Meter stream grouping Meter stream allocation for up to 16 streams per meter run. Total 64 global streams that can be allocated to all meter runs.
4.05.002	31-Mar-2021	<ul style="list-style-type: none"> Correction to linear pulse count accumulators
4.05.001	25-Feb-2020	<ul style="list-style-type: none"> Correction to serial port library for RS-485/422.
4.05.000	24-Sep-2019	<ul style="list-style-type: none"> Mass heating value in US units changed from MBTU/lb. to BTU/lb. Volumetric heating value in US units changed from MBTU/cf to BTU/cf. API MPMS Chapter 14.5 3rd Edition (Nov. 1992, Reaffirmed Mar 2006) (GPA standard 2172-09). Enron history download date stamp adjustment for Cygnet Modbus EFM minimum date stamp (1/1/2000) requirement. Temperature bias (offset) process input scaling. Default meter archive extended file size set to 1440 records. Density process input units addition for g/cm³. Addition of thermal mass meter physical device type. Meter contract previous daily and monthly quantity non-resettable accumulator values and totals. Meter linear regression projected contract daily and monthly non-resettable accumulator values and totals. Accumulation of multiple meter runs into a single meter run. Meter configuration asset tag addition.
4.04.000	18-Dec-2018	Initial Release

3 Support, Service & Warranty

3.1 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

Note: For technical support calls within the United States, ProSoft's 24/7 after-hours phone support is available for urgent plant-down issues.

North America (Corporate Location) Phone: +1.661.716.5100 info@prosoft-technology.com Languages spoken: English, Spanish REGIONAL TECH SUPPORT support@prosoft-technology.com	Europe / Middle East / Africa Regional Office Phone: +33.(0)5.34.36.87.20 france@prosoft-technology.com Languages spoken: French, English REGIONAL TECH SUPPORT support.emea@prosoft-technology.com
Latin America Regional Office Phone: +52.222.264.1814 latinam@prosoft-technology.com Languages spoken: Spanish, English REGIONAL TECH SUPPORT support.la@prosoft-technology.com	Asia Pacific Regional Office Phone: +60.3.2247.1898 asiapc@prosoft-technology.com Languages spoken: Bahasa, Chinese, English, Japanese, Korean REGIONAL TECH SUPPORT support.ap@prosoft-technology.com

For additional ProSoft Technology contacts in your area, please visit:
<https://www.prosoft-technology.com/About-Us/Contact-Us>.

3.2 Warranty Information

For complete details regarding ProSoft Technology's TERMS & CONDITIONS OF SALE, WARRANTY, SUPPORT, SERVICE AND RETURN MATERIAL AUTHORIZATION INSTRUCTIONS, please see the documents at:
www.prosoft-technology/legal