

Installation Instructions

Original Instructions



Allen-Bradley

by ROCKWELL AUTOMATION

FactoryTalk Historian Machine Edition Module

Catalog Number 1756-HIST2G

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Use this document as a guide to install the FactoryTalk® Historian Machine Edition (ME) Module. This document describes hardware installation only.

For additional information regarding the configuration and use of the 1756-HIST2G module, see [Additional Resources](#).

Summary of Changes

These updated installation instructions include new and revised content as shown in this table.

Description	Page
Updated to include Series C module information	Throughout
Corrected surrounding air temperature range	3



ATTENTION: Read this document and the documents listed in the Additional Resources section about installation, configuration and operation of this equipment before you install, configure, operate or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.

Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice. If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

注意：在安装、配置、操作和维护本产品前，请阅读本文档以及“其他资源”部分列出的有关设备安装、配置和操作的相应文档。除了所有适用规范、法律和标准的相关要求之外，用户还必须熟悉安装和接线说明。

安装、调整、投运、使用、组装、拆卸和维护等各项操作必须由经过适当训练的专业人员按照适用的操作规范实施。

如果未按照制造商指定的方式使用该设备，则可能会损害设备提供的保护。

ATENCIÓN: Antes de instalar, configurar, poner en funcionamiento o realizar el mantenimiento de este producto, lea este documento y los documentos listados en la sección Recursos adicionales acerca de la instalación, configuración y operación de este equipo. Los usuarios deben familiarizarse con las instrucciones de instalación y cableado y con los requisitos de todos los códigos, leyes y estándares vigentes.

El personal debidamente capacitado debe realizar las actividades relacionadas a la instalación, ajustes, puesta en servicio, uso, ensamblaje, desensamblaje y mantenimiento de conformidad con el código de práctica aplicable. Si este equipo se usa de una manera no especificada por el fabricante, la protección provista por el equipo puede resultar afectada.

ATENÇÃO: Leia este e os demais documentos sobre instalação, configuração e operação do equipamento que estão na seção Recursos adicionais antes de instalar, configurar, operar ou manter este produto. Os usuários devem se familiarizar com as instruções de instalação e fiação além das especificações para todos os códigos, leis e normas aplicáveis.

É necessário que as atividades, incluindo instalação, ajustes, colocação em serviço, utilização, montagem, desmontagem e manutenção sejam realizadas por pessoal qualificado e especializado, de acordo com o código de prática aplicável.

Caso este equipamento seja utilizado de maneira não estabelecida pelo fabricante, a proteção fornecida pelo equipamento pode ficar prejudicada.

ВНИМАНИЕ: Перед тем как устанавливать, настраивать, эксплуатировать или обслуживать данное оборудование, прочитайте этот документ и документы, перечисленные в разделе «Дополнительные ресурсы». В этих документах изложены сведения об установке, настройке и эксплуатации данного оборудования. Пользователи обязаны ознакомиться с инструкциями по установке и прокладке соединений, а также с требованиями всех применимых норм, законов и стандартов.

Все действия, включая установку, наладку, ввод в эксплуатацию, использование, сборку, разборку и техническое обслуживание, должны выполняться обученным персоналом в соответствии с применимыми нормами и правилами.

Если оборудование используется не предусмотренным производителем образом, защита оборудования может быть нарушена.

注意：本製品を設置、構成、稼働または保守する前に、本書および本機器の設置、設定、操作についての参考資料の該当箇所に記載されている文書に目を通してください。ユーザは、すべての該当する条例、法律、規格の要件に加えて、設置および配線の手順に習熟している必要があります。

設置調整、運転の開始、使用、組立て、解体、保守を含む諸作業は、該当する実施規則に従って訓練を受けた適切な作業員が実行する必要があります。

本機器が製造メーカーにより指定されていない方法で使用されている場合、機器により提供されている保護が損なわれる恐れがあります。

ACHTUNG: Lesen Sie dieses Dokument und die im Abschnitt „Weitere Informationen“ aufgeführten Dokumente, die Informationen zu Installation, Konfiguration und Bedienung dieses Produkts enthalten, bevor Sie dieses Produkt installieren, konfigurieren, bedienen oder warten. Anwender müssen sich neben den Bestimmungen aller anwendbaren Vorschriften, Gesetze und Normen zusätzlich mit den Installations- und Verdrahtungsanweisungen vertraut machen.

Arbeiten im Rahmen der Installation, Anpassung, Inbetriebnahme, Verwendung, Montage, Demontage oder Instandhaltung dürfen nur durch ausreichend geschulte Mitarbeiter und in Übereinstimmung mit den anwendbaren Ausführungsvorschriften vorgenommen werden.

Wenn das Gerät in einer Weise verwendet wird, die vom Hersteller nicht vorgesehen ist, kann die Schutzfunktion beeinträchtigt sein.

ATTENTION: Lisez ce document et les documents listés dans la section Ressources complémentaires relatifs à l'installation, la configuration et le fonctionnement de cet équipement avant d'installer, configurer, utiliser ou entretenir ce produit. Les utilisateurs doivent se familiariser avec les instructions d'installation et de câblage en plus des exigences relatives aux codes, lois et normes en vigueur.

Les activités relatives à l'installation, le réglage, la mise en service, l'utilisation, l'assemblage, le démontage et l'entretien doivent être réalisées par des personnes formées selon le code de pratique en vigueur.

Si cet équipement est utilisé d'une façon qui n'a pas été définie par le fabricant, la protection fournie par l'équipement peut être compromise.

주의: 본 제품 설치, 설정, 작동 또는 유지 보수하기 전에 본 문서를 포함하여 설치, 설정 및 작동에 관한 참고 자료 섹션의 문서들을 반드시 읽고 숙지하십시오. 사용자는 모든 관련 규정, 법규 및 표준에서 요구하는 사항에 대해 반드시 설치 및 배선 지침을 숙지해야 합니다.

설치, 조정, 가동, 사용, 조립, 분해, 유지보수 등 모든 작업은 관련 규정에 따라 적절한 교육을 받은 사용자를 통해서만 수행해야 합니다.

본 장비를 제조사가 명시하지 않은 방법으로 사용하면 장비의 보호 기능이 손상될 수 있습니다.

ATTENZIONE: Prima di installare, configurare ed utilizzare il prodotto, o effettuare interventi di manutenzione su di esso, leggere il presente documento ed i documenti elencati nella sezione "Altre risorse", riguardanti l'installazione, la configurazione ed il funzionamento dell'apparecchiatura. Gli utenti devono leggere e comprendere le istruzioni di installazione e cablaggio, oltre ai requisiti previsti dalle leggi, codici e standard applicabili.

Le attività come installazione, regolazioni, utilizzo, assemblaggio, disassemblaggio e manutenzione devono essere svolte da personale adeguatamente addestrato, nel rispetto delle procedure previste.

Dualora l'apparecchio venga utilizzato con modalità diverse da quanto previsto dal produttore, la sua funzione di protezione potrebbe venire compromessa.

DIKKAT: Bu ürünün kurulumu, yapılandırılması, işletilmesi veya bakımı öncesinde bu dokümanı ve bu ekipmanın kurulumu, yapılandırılması ve işletimi ile ilgili ilave Kaynaklar bölümünde yer listelenmiş dokümanları okuyun. Kullanıcılar yürürlükteki tüm yönetmelikler, yasalar ve standartların gereksinimlerine ek olarak kurulum ve kablolama talimatlarını da öğrenmek zorundadır. Kurulum, ayarlama, hizmete alma, kullanma, parçaları birleştirme, parçaları sökme ve bakım gibi aktiviteler sadece uygun eğitimleri almış kişiler tarafından yürürlükteki uygulama yönetmeliklerine uygun şekilde yapılabilir.

Bu ekipman üretici tarafından belirlenmiş amacın dışında kullanılırsa, ekipman tarafından sağlanan koruma bozulabilir.

注意事項：在安装、設定、操作或維護本產品前，請先閱讀此文件以及列於「其他資源」章節中有關安裝、設定與操作此設備的文件。使用者必須熟悉安裝和配線指示，並符合所有法規、法律和標準要求。

包括安裝、調整、交付使用、使用、組裝、拆卸和維護等動作都必須交由已經過適當訓練的人員進行，以符合適用的實作法規。

如果將設備用於非製造商指定的用途時，可能會造成設備所提供的保護功能受損。

POZOR: Než začnete instalovat, konfigurovat či provozovat tento výrobek nebo provádět jeho údržbu, přečtěte si tento dokument a dokumenty uvedené v části Dodatečné zdroje ohledně instalace, konfigurační a provozu tohoto zařízení. Uživatelé se musejí vedle požadavků všech relevantních vyhlášek, zákonů a norem nutně seznámit také s pokyny pro instalaci a elektrické zapojení.

Činnosti zahrnující instalaci, nastavení, uvedení do provozu, užívání, montáž, demontáž a údržbu musí vykonávat vhodně proškolený personál v souladu s příslušnými prováděcími předpisy. Pokud se toto zařízení používá způsobem neodpovídajícím specifikaci výrobce, může být narušena ochrana, kterou toto zařízení poskytuje.

UWAGA: Przed instalacją, konfiguracją, użytkowaniem lub konserwacją tego produktu należy przeczytać niniejszy dokument oraz wszystkie dokumenty wymienione w sekcji Dodatkowe źródła omawiające instalację, konfigurację i procedury użytkowania tego urządzenia. Użytkownicy mają obowiązek zapoznać się z instrukcjami dotyczącymi instalacji oraz oprzewodowania, jak również z obowiązującymi kodeksami, prawem i normami.

Działania obejmujące instalację, regulację, przekazanie do użytkowania, użytkowanie, montaż, demontaż oraz konserwację muszą być wykonywane przez odpowiednio przeszkolony personel zgodnie z obowiązującym kodeksem postępowania.

Jeśli urządzenie jest użytkowane w sposób inny niż określony przez producenta, zabezpieczenie zapewniane przez urządzenie może zostać ograniczone.

OB! Läs detta dokument samt dokumentet, som står listat i avsnittet Övriga resurser, om installation, konfigurering och drift av denna utrustning innan du installerar, konfigurerar eller börjar använda eller utföra underhållsarbete på produkten. Användare måste bekanta sig med instruktioner för installation och kabeldragning, förutom krav enligt gällande koder, lagar och standarder.

Åtgärder som installation, justering, service, användning, montering, demontering och underhållsarbete måste utföras av personal med lämplig utbildning enligt lämpligt bruk.

Om denna utrustning används på ett sätt som inte anges av tillverkaren kan det hända att utrustningens skyddsanordningar försätts ur funktion.

LET OP: Lees dit document en de documenten die genoemd worden in de paragraaf Aanvullende informatie over de installatie, configuratie en bediening van deze apparatuur voordat u dit product installeert, configureert, bedient of onderhoudt. Gebruikers moeten zich vertrouwd maken met de installatie en de bedradingsinstructies, naast de vereisten van alle toepasselijke regels, wetten en normen.

Activiteiten zoals het installeren, afstellen, in gebruik stellen, gebruiken, monteren, demonteren en het uitvoeren van onderhoud mogen uitsluitend worden uitgevoerd door hiervoor opgeleid personeel en in overeenstemming met de geldende praktijkregels.

Indien de apparatuur wordt gebruikt op een wijze die niet is gespecificeerd door de fabrikant, dan bestaat het gevaar dat de beveiliging van de apparatuur niet goed werkt.

IMPORTANT Any illustrations, charts, sample programs, and layout examples that are shown in this publication are intended solely for the purposes of example. Since there are many variables and requirements that are associated with any particular installation, Rockwell Automation does not assume responsibility or liability for actual use that is based upon the examples that are shown in this publication.

Product Advisories

North American Hazardous Location Approval

The following information applies when operating this equipment in hazardous locations.	Informations sur l'utilisation de cet équipement en environnements dangereux.
Products marked "CL I, DIV 2, GP A, B, C, D" are suitable for use in Class I Division 2 Groups A, B, C, D, Hazardous Locations and nonhazardous locations only. Each product is supplied with markings on the rating nameplate indicating the hazardous location temperature code. When combining products within a system, the most adverse temperature code (lowest "T" number) may be used to help determine the overall temperature code of the system. Combinations of equipment in your system are subject to investigation by the local Authority Having Jurisdiction at the time of installation.	Les produits marqués "CL I, DIV 2, GP A, B, C, D" ne conviennent qu'à une utilisation en environnements de Classe I Division 2 Groupes A, B, C, D dangereux et non dangereux. Chaque produit est livré avec des marquages sur sa plaque d'identification qui indiquent le code de température pour les environnements dangereux. Lorsque plusieurs produits sont combinés dans un système, le code de température le plus défavorable (code de température le plus faible) peut être utilisé pour déterminer le code de température global du système. Les combinaisons d'équipements dans le système sont sujettes à inspection par les autorités locales qualifiées au moment de l'installation.
WARNING: Explosion Hazard – - Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous. - Do not disconnect connections to this equipment unless power has been removed or the area is known to be nonhazardous. Secure any external connections that mate to this equipment by using screws, sliding latches, threaded connectors, or other means provided with this product. - Substitution of components may impair suitability for Class I, Division 2. - If this product contains batteries, they must only be changed in an area known to be nonhazardous.	AVERTISSEMENT: Risque d'Explosion – - Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher l'équipement. - Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher les connecteurs. Fixer tous les connecteurs externes reliés à cet équipement à l'aide de vis, loquets coulissants, connecteurs filetés ou autres moyens fournis avec ce produit. - La substitution de composants peut rendre cet équipement inadapté à une utilisation en environnement de Classe I, Division 2. - S'assurer que l'environnement est classé non dangereux avant de changer les piles.

Environment and Enclosure

	ATTENTION: This equipment is intended for use in a Pollution Degree 2 industrial environment, in overvoltage Category II applications (as defined in EN/IEC 60664-1), at altitudes up to 2000 m (6562 ft) without derating. This equipment is not intended for use in residential environments and may not provide adequate protection to radio communication services in such environments. This equipment is supplied as open-type equipment for indoor use. It must be mounted within an enclosure that is suitably designed for those specific environmental conditions that will be present and appropriately designed to help prevent personal injury resulting from accessibility to live parts. The enclosure must have suitable flame-retardant properties to help prevent or minimize the spread of flame, complying with a flame spread rating of 5VA or be approved for the application if nonmetallic. The interior of the enclosure must be accessible only by the use of a tool. Subsequent sections of this publication may contain more information regarding specific enclosure type ratings that are required to comply with certain product safety certifications. In addition to this publication, see the following: - Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1, for more installation requirements - NEMA 250 and EN/IEC 60529, as applicable, for explanations of the degrees of protection provided by enclosures
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Prevent Electrostatic Discharge

	ATTENTION: This equipment is sensitive to electrostatic discharge, which can cause internal damage and affect normal operation. Follow these guidelines when you handle this equipment: - Touch a grounded object to discharge potential static - Wear an approved grounding wriststrap - Do not touch connectors or pins on component boards - Do not touch circuit components inside the equipment - Use a static-safe workstation, if available - Store the equipment in appropriate static-safe packaging when not in use
	ATTENTION: - Installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice. - In case of malfunction or damage, no attempts at repair should be made. The module should be returned to the manufacturer for repair. Do not dismantle the module. - When installed in a 1756 Series C Chassis, this equipment is certified for use only within the surrounding air temperature range of -25...+60 °C (-13...+140 °F). The equipment must not be used outside of this range. When installed in a 1756 Series B Chassis, this equipment is certified for use only within the surrounding air temperature range of -25...+50 °C (-13...+122 °F). The equipment must not be used outside of this range. - Use only a soft dry anti-static cloth to wipe down equipment. Do not use any cleaning agents.

Removal and Insertion Under Power (RIUP) Capability

	WARNING: When you insert or remove the module while backplane power is on, an electric arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding. Repeated electric arcing causes excessive wear to contacts on both the module and its mating connector. Worn contacts can create electrical resistance that can affect module operation.
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Required System Components

To use the FactoryTalk Historian ME module, you need:

- a ControlLogix® system that includes a controller or an EtherNet/IP™ module
- an RJ45 Ethernet cable

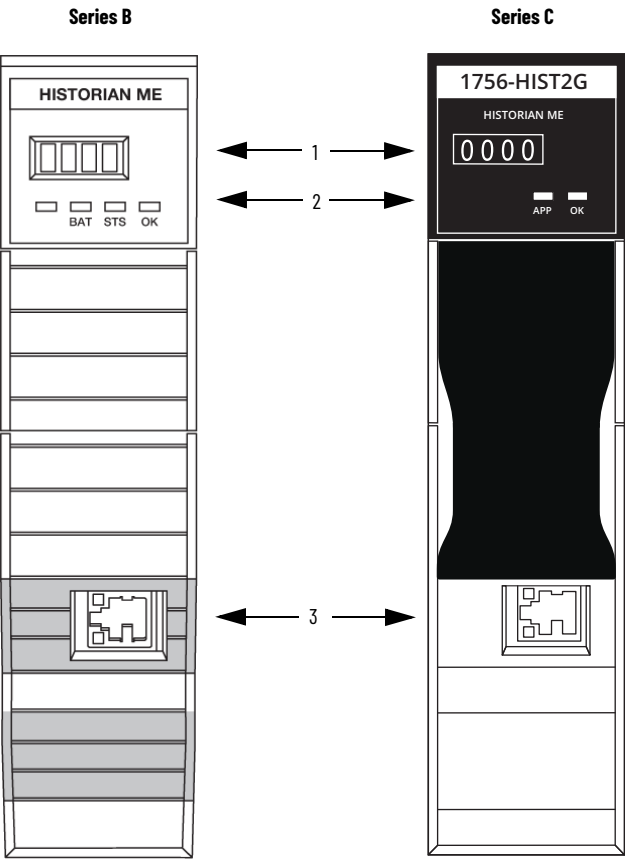
You can use the Historian module in the following ways:

- In the same chassis as the ControlLogix controller with which it is communicating
- In a remote chassis that is connected via an EtherNet/IP network to a CompactLogix™ controller or to the chassis in which a ControlLogix controller resides
- In a remote chassis that is connected to a ControlLogix Enhanced Redundancy system via an EtherNet/IP network

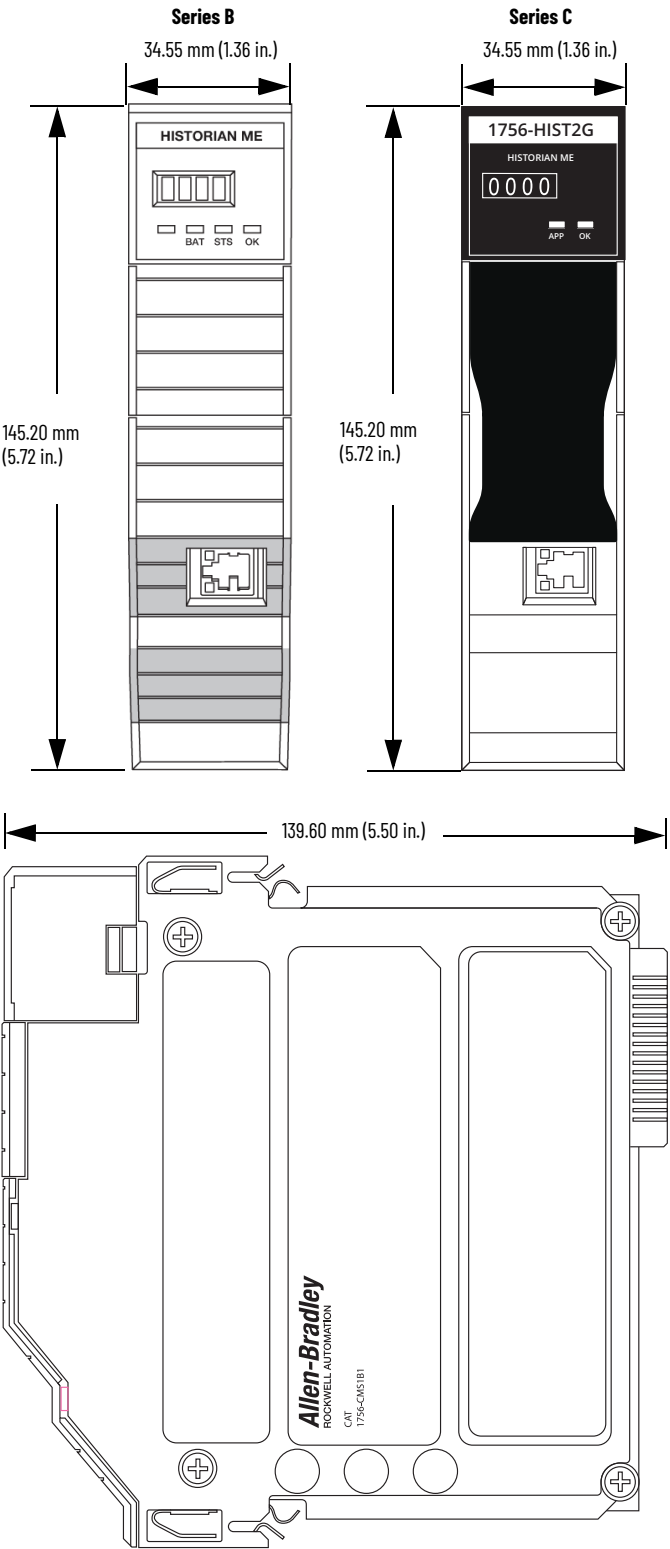
IMPORTANT FactoryTalk Historian ME modules cannot reside in the redundant pair, that is, the primary or secondary chassis in an enhanced redundancy system.

Module Overview

Module Components



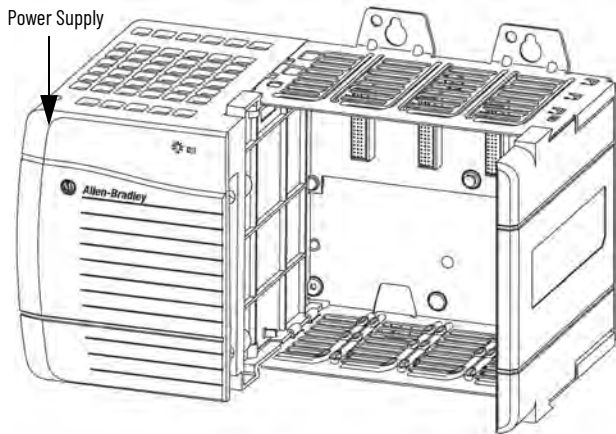
Product Dimensions



Number	Item	Description
1	Four-character display	Scrolls information about the module
2	Status indicators	Provide connection and module status information
3	Ethernet port	Provides configuration connection to a computer or EtherNet/IP network

Prepare the Chassis

Before installing the module, install and connect a ControlLogix chassis and power supply.



Determine the Module Slot Location

You can install the module in any open slot in a ControlLogix chassis regardless of whether the chassis is local or remote to the controller location.

Slot 0 is the first slot and is always the leftmost slot in the rack (the first slot to the right of the power supply).

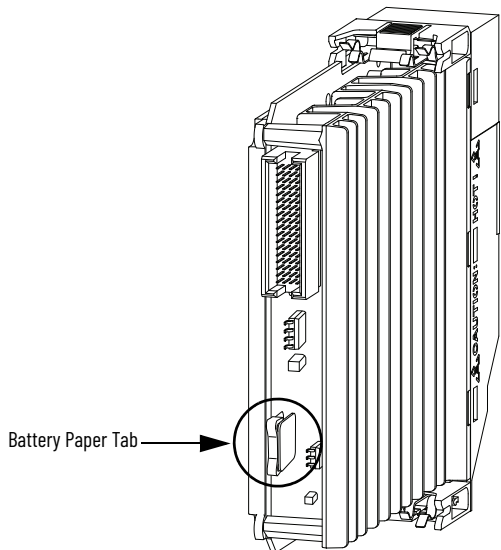
There can be a maximum of two FactoryTalk Historian ME modules in a single chassis.

Remove the Battery Paper Tab

The FactoryTalk Historian ME module uses a battery to maintain the real-time clock on the module when there is no power applied to the module. A battery is installed in the module when it ships.

A red paper tab covers the side of the battery that faces the backplane when the module is installed in a chassis.

You must pull off the paper tab before you install the module.



Install the Module

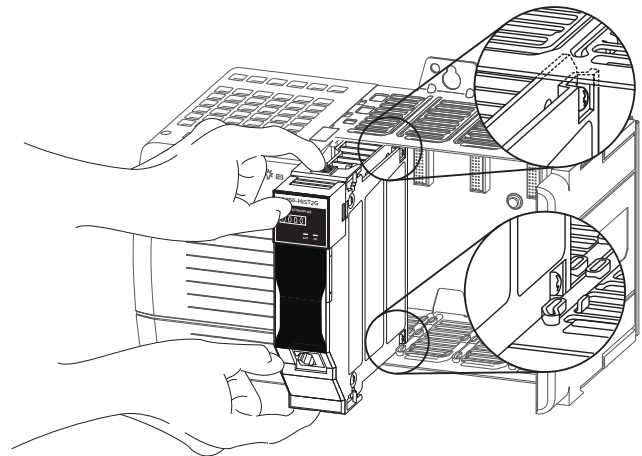


ATTENTION: The module is designed to support removal and insertion under power (RIUP). It is recommended to stop all data collection services before removing the module.

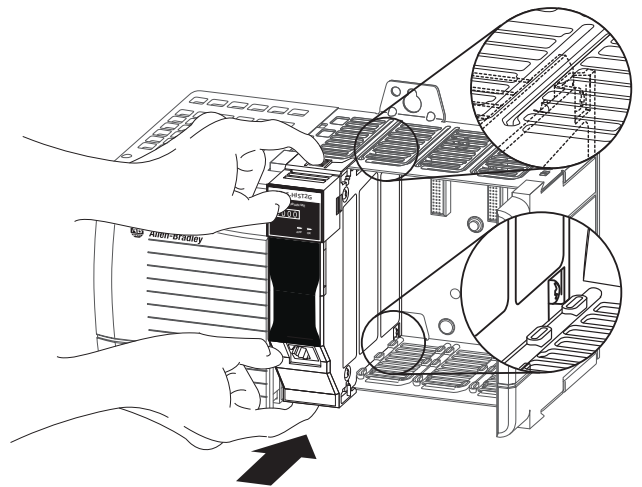


WARNING: When you insert or remove the module while backplane power is on, an electric arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding. Repeated electric arcing can cause excessive wear to contacts on both the module and its mating connector. Worn contacts can create electrical resistance that can affect module operation.

1. Align the circuit board with the top and bottom guides in the chassis.



2. Slide the modules into the chassis until it snaps into place.

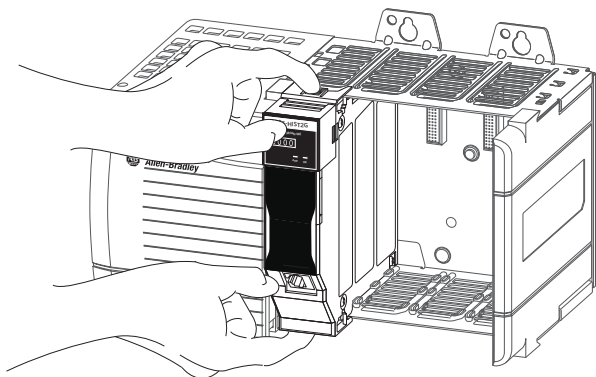


3. Verify that the module is flush with the other installed devices.

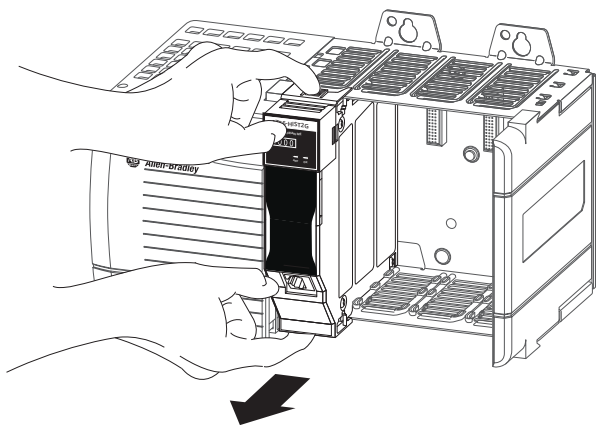
Remove or Replace the Module

To remove or replace the module:

1. Push the upper and lower module tabs to disengage them.



2. Slide the module out of the chassis.



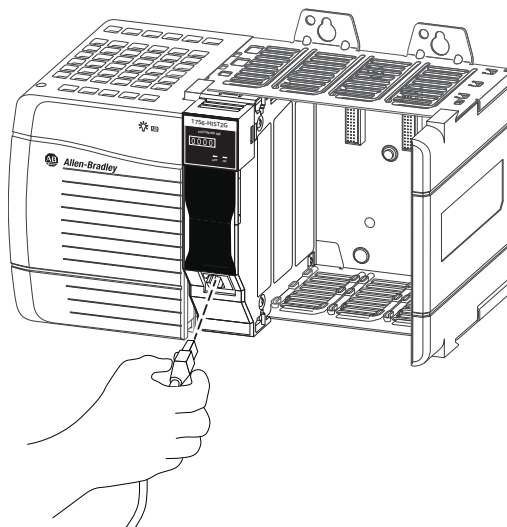
IMPORTANT If you are replacing an existing module with an identical one, and you want to resume identical system operation, you must install the new module in the same slot.

Connect to the Ethernet Network



WARNING: If you connect or disconnect an Ethernet cable with power applied to this module or any device on the network, an electric arc can occur. This can cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding.

To connect the module to an EtherNet/IP network, connect an RJ45 cable to the embedded Ethernet port.

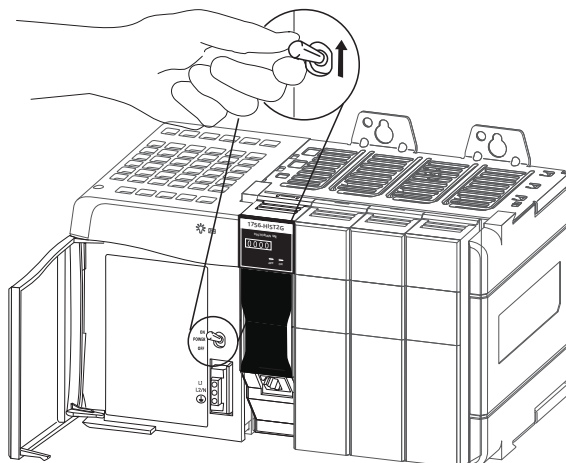


IMPORTANT It is recommended to connect the module to the network via a 100 MB or 1 GB Ethernet switch, which reduces collisions and lost packets, and increases network bandwidth. For detailed Ethernet connection information, see the *ControlLogix Ethernet/IP Bridge Module Installation Instructions*, publication [1756-IN019](#).

Power the Module

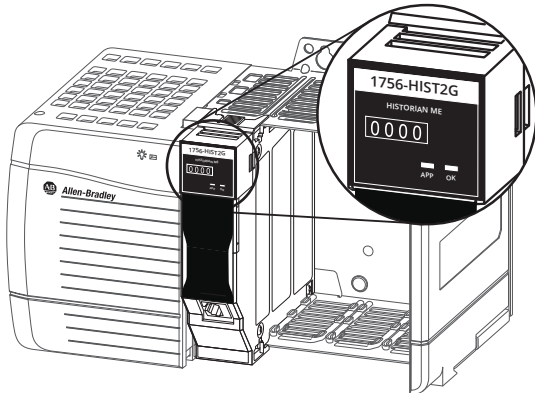
If you've removed power from the system, after you install the module and make the necessary connections to it, you can supply power to the system.

1. Locate the power switch inside the power supply.
 2. Set the switch to the **ON** position as shown.
- Power is applied to the chassis.



Check the Status

Check the status indicators and four-character display on the module to determine if the power-up sequence is complete and the power supply and module are operating properly.



It can take up to five minutes for the module to become fully operational once power is applied.

System Status Indicators

The two system status indicators on the front panel of the Historian ME module communicate whether the power supply and module are operating properly.

1756-HIST2G Series B Module System Status Indicators

Indicator	Status	Description
BAT	Off	This indicator is non-operational on the series B module.
STS	Off	The module is not powered or is powering up.
	Flashing red	Data collection is active but data transfer is inactive.
	Steady red	Data collection is inactive. Check the interface or four-character display for more information.
	Flashing green	Data collection is active but data transfer is not configured.
	Steady green	Both data collection and data transfer are active.
OK	Steady red	The module is experiencing a Major Fault.
	Steady green	The module is operating normally.

1756-HIST2 Series C Module System Status Indicators

Indicator	Status	Description
APP	Off	The module is not powered or is powering up.
	Flashing red	Data collection is active but data transfer is inactive.
	Steady red	Data collection is inactive. Check the interface or four-character display for more information.
	Flashing green	Data collection is active but data transfer is not configured.
	Steady green	Both data collection and data transfer are active.
OK	Steady red	The module is experiencing a Major Fault.
	Steady green	The module is operating normally.

Four-character Display

The four-character display provides system status messages in a static and/or scrolling string on the front panel of the Historian ME module. Once an application is started, it is responsible for controlling this display.

System Status Messages

Process or Component	Message	Description
Startup or reset	Diagnostic codes (hexadecimal values)	Displays for several seconds when initializing startup or reset.
	INIT	
	OK	Displays for several seconds if the initialization of all major software components was successful.
Shutting down	SHUTTING DOWN	Displays during the shutdown process.
Shutdown	SHUT DOWN	Displays when the shutdown is finished.
Ethernet port	LAN OK	Displays if the Ethernet port is configured and the IP address is acquired properly. After LAN OK is displayed, the IP address is displayed.
	LAN LOST	Displays for several seconds if the Ethernet port fails to acquire the IP address. After LAN LOST is displayed, the MAC address is displayed.

The four-character display also provides application status messages. If more than one of the four application statuses exist, they display consecutively with two-second duration between each message.

Application Status Messages

Subsystem	Message	Description
Configuration ⁽¹⁾	NOT CONFIGURED	Neither the data transfer nor the data collection is configured. Otherwise, the status is empty.
	NO POINTS	The data collection is not configured, but the data transfer is configured. Otherwise, the status is empty.
	NO UPLOAD	The data transfer is not configured because the SE Host Server Name or IP address is not entered or is not resolved.
Data collection	COLLECT OK	The data collection is active and properly configured.
	COLLECT STOPPED	The data collection is configured but not active.
Data transfer	UPLOAD OK	The data transfer is active and configured.
	UPLOAD STOPPED	The data transfer is configured but not active, and the data collection status is not 'idle'.
Data storage	STORAGE CRITICAL	Data storage has reached 50% capacity (default value for the first threshold).
	STORAGE FULL	Data storage has reached 75% capacity (default value for the second threshold).

⁽¹⁾ The data collection is not configured if the number of subscribed points from the data server is zero.

Ethernet Port Status Indicators

The Ethernet port status indicators on the 10/100/1000 BASE-T connector support IEEE 802.3 and communicate link speed, status, and activity.

Ethernet Port Status Indicators

Indicator	Status	Description
Link Speed	Off	10 Mbps link speed
	Steady green	100 Mbps link speed
	Steady orange	1000 Mbps link speed
Link status and activity	Off	No link
	Steady yellow	Link established, no activity is detected
	Flashing yellow	Link established, activity is detected

Replace the Battery

The FactoryTalk Historian ME module uses a battery to maintain the real-time clock when there is no power applied to the module. A battery is installed in the module when it ships.

Battery life depends upon how much time the module goes without power. When the module is installed in a powered ControlLogix chassis, the battery goes unused, which results in longer battery life.

IMPORTANT When replacing the battery, the module's date and time may be restored to the initial values. If this occurs and the module restarts, it starts in safe mode.

You can replace the battery if necessary. The battery is a Panasonic Type BR1225A coin type lithium battery. Replacement batteries are commercially available.

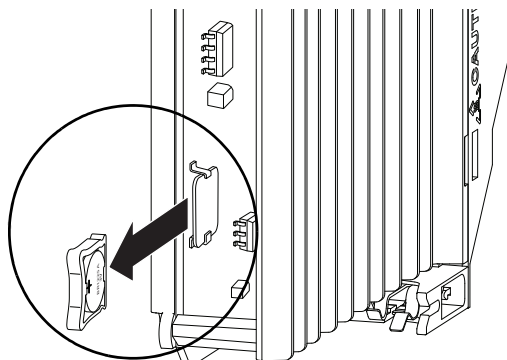


WARNING: When you connect or disconnect the battery, an electric arc can occur. This can cause an explosion in hazardous location installations. Be sure that the area is nonhazardous before proceeding. For safety information on the handling of lithium batteries, including the handling and disposal of leaking batteries, see [Guidelines for Handling Lithium Batteries](#), publication [AG 5-4](#).

To replace the battery, complete these steps.

1. Pull the white plastic battery holder from the back of the module.
If necessary, pull the holder out far enough to use a small screwdriver to pry out the battery. In this case, insert the screwdriver from the side of the battery that faces the module printed circuit board.

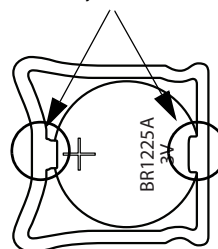
IMPORTANT Do not attempt to remove the metal guides that hold the battery holder in place.



2. Remove the old battery from the holder.

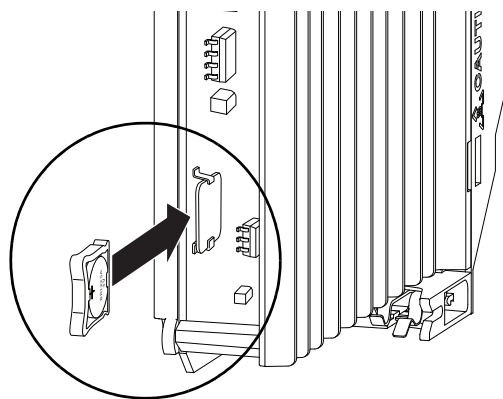
3. Install a new battery into the holder.
The side of the battery with words and numbers is installed in the side of the holder with tabs to hold it in place.

Battery Holder Tabs



4. Reinstall the battery holder in the back of the module.
The narrower part of the holder is installed first into the metal guides.

IMPORTANT Make sure to orient the battery so that the side of the battery with words and numbers faces away from the printed circuit board.



5. Push the battery holder all the way into the back of the module.

Specifications

Attribute	1756-HIST2G
Temperature, operating IEC 60068-2-1 (Test Ae, Operating Cold), IEC 60068-2-2 (Test Be, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	Series C Chassis: -25 °C < Ta < +60 °C (-13 °F < Ta < +140 °F) Series B Chassis: -25 °C < Ta < +50 °C (-13 °F < Ta < +122 °F)
Temperature, surrounding air, max	Series C Chassis: 60 °C (140 °F) Series B Chassis: 50 °C (122 °F)
Enclosure type rating	None (open-style)
Voltage and current ratings	5.1V DC @ 1.40 A
Wire size	Ethernet cabling and installation according to IEC 61918 and IEC 61784-5-2
Temperature Code	T5

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
FactoryTalk Historian Machine Edition Series C Configuration Guide, publication 1756-UM019	Describes how to configure and use the FactoryTalk Historian ME Series C module
FactoryTalk Historian ME Series B Configuration Guide, publication 1756-UM106	Describes how to configure and use the FactoryTalk Historian ME Series B module
ControlLogix I/O Modules Specifications Technical Data, publication 1756-TD002	Provides specifications for ControlLogix I/O modules
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system
Product Certifications website, rok.auto/certifications	Provides declarations of conformity, certificates, and other certification details

You can view or download publications at rok.auto/literature.

Notes:

Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, Knowledgebase, and product notification updates.	rok.auto/support
Local Technical Support Phone Numbers	Locate the telephone number for your country.	rok.auto/phonesupport
Technical Documentation Center	Quickly access and download technical specifications, installation instructions, and user manuals.	rok.auto/techdocs
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	rok.auto/pcdc

Documentation Feedback

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Waste Electrical and Electronic Equipment (WEEE)



At the end of life, this equipment should be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental compliance information on its website at rok.auto/pec.

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