



# About This Guide

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This section discusses the objectives, intended audience, and organization of the *Bridge Management Module Installation and Configuration Guide* and defines the conventions used to convey instructions and information.

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## Audience and Scope

This manual is for the networking professional installing and maintaining the Bridge Management Module (BMM) in the FastHub 316T and FastHub 316C repeaters; hereafter, both are referred to as the FastHub when discussing features common to both. It is assumed that readers of this manual are familiar with the concepts and terminology of Ethernet and local area networking.

# Document Organization

This manual is organized as follows:

Chapter 1, “Overview,” describes the Bridge Management Module (BMM) hardware and software features.

Chapter 2, “Installation,” outlines the preinstallation and cabling guidelines and includes sample configurations. This chapter also contains complete installation and connection instructions.

Chapter 3, “Out-of-Band Management,” is a menu-by menu explanation of the management console. This application allows you to configure and display statistics for the FastHub and BMM.

Chapter 4, “In-Band Management,” describes how to use BOOTP/DHCP to assign an IP address. The chapter lists the Management Information Base (MIB) objects for configuring and managing a FastHub using a BMM.

Chapter 5, “Troubleshooting,” describes some problems that might arise and their recommended solutions.

Appendix A, “Technical Specifications,” lists the physical characteristics, environmental requirements, and power specifications of the BMM. The appendix also provides a list of agency approvals.

Appendix B, “Connectors and Cables,” details the physical characteristics of BMM connectors and their associated cabling. The appendix also provides instructions for connecting the BMM console to a PC, terminal, or modem.

Appendix C, “Translated Safety Warnings,” repeats in multiple languages the warnings in this guide.

# Document Conventions

This publication uses the following conventions to convey instructions and information:

Command descriptions use these conventions:

- The symbol **^** represents the key labeled **Ctrl**. For example, the key combination **^X** in a screen display means hold down the **Ctrl** key while you press the **X** key.

- Commands and keywords are in **boldface** font.
- Arguments for which you supply values are shown in *italics*.
- Elements in square brackets ([ ]) are optional.
- Alternative or optional keywords are shown in **bold** and grouped in square brackets ([ ]) and separated by a vertical bar ( | ).
- Required keywords are grouped in braces ( { } ) and separated by a vertical bar ( | ).

Examples use these conventions:

- Terminal sessions and system displays are in `screen` font.
- Information you enter is in **boldface screen** font.

Notes, cautions, and warnings use the following conventions and symbols:

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**Note** Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

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**Caution** Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.



**Warning** This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. (To see translations of the warnings that appear in this publication, refer to the appendix, “Translated Safety Warnings.”)

**Waarschuwing** Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijke letsels kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de

hoogte te zijn van standaard maatregelen om ongelukken te voorkomen. (Voor vertalingen van de waarschuwingen die in deze publicatie verschijnen, kunt u het aanhangsel “Translated Safety Warnings” (Vertalingen van veiligheidsvoorschriften) raadplegen.)

**Varoitus** Tämä varoitusmerkki merkitsee vaaraa. Olet tilanteessa, joka voi johtaa ruumiinvammaan. Ennen kuin työskentelet minkään laitteiston parissa, ota selvää sähkökytkentöihin liittyvistä vaaroista ja tavanomaisista onnettomuuksien ehkäisykeinoista. (Tässä julkaisussa esiintyvien varoitusten käännökset löydät liitteestä "Translated Safety Warnings" (käännetyt turvallisuutta koskevat varoitukset).)

**Attention** Ce symbole d’avertissement indique un danger. Vous vous trouvez dans une situation pouvant entraîner des blessures. Avant d’accéder à cet équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures courantes de prévention des accidents. Pour obtenir les traductions des mises en garde figurant dans cette publication, veuillez consulter l’annexe intitulée « Translated Safety Warnings » (Traduction des avis de sécurité).

**Warnung** Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu einer Körperverletzung führen könnte. Bevor Sie mit der Arbeit an irgendeinem Gerät beginnen, seien Sie sich der mit elektrischen Stromkreisen verbundenen Gefahren und der Standardpraktiken zur Vermeidung von Unfällen bewusst. (Übersetzungen der in dieser Veröffentlichung enthaltenen Warnhinweise finden Sie im Anhang mit dem Titel “Translated Safety Warnings” (Übersetzung der Warnhinweise).)

**Avvertenza** Questo simbolo di avvertenza indica un pericolo. Si è in una situazione che può causare infortuni. Prima di lavorare su qualsiasi apparecchiatura, occorre conoscere i pericoli relativi ai circuiti elettrici ed essere al corrente delle pratiche standard per la prevenzione di incidenti. La traduzione delle avvertenze riportate in questa pubblicazione si trova nell’appendice, “Translated Safety Warnings” (Traduzione delle avvertenze di sicurezza).

**Advarsel** Dette varselsymbolet betyr fare. Du befinner deg i en situasjon som kan føre til personskade. Før du utfører arbeid på utstyr, må du være oppmerksom på de faremomentene som elektriske kretser innebærer, samt gjøre deg kjent med vanlig praksis når det gjelder å unngå ulykker. (Hvis du vil se oversettelser av de advarslene som finnes i denne publikasjonen, kan du se i vedlegget "Translated Safety Warnings" [Oversatte sikkerhetsadvarsler].)

**Aviso** Este símbolo de aviso indica perigo. Encontra-se numa situação que lhe poderá causar danos físicos. Antes de começar a trabalhar com qualquer equipamento, familiarize-se com os perigos relacionados com circuitos eléctricos, e com quaisquer práticas comuns que possam prevenir possíveis acidentes. (Para ver as traduções dos avisos que constam desta publicação, consulte o apêndice “Translated Safety Warnings” - “Traduções dos Avisos de Segurança”).

**Advertencia** Este símbolo de aviso significa peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considerar los riesgos que entraña la corriente eléctrica y familiarizarse con los procedimientos estándar de prevención de accidentes. (Para ver traducciones de las advertencias que aparecen en esta publicación, consultar el apéndice titulado “Translated Safety Warnings.”)

**Varning!** Denna varningssymbol signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanligt förfarande för att förebygga skador. (Se förklaringar av de varningar som förekommer i denna publikation i appendix "Translated Safety Warnings" [Översatta säkerhetsvarningar].)

