

CIMPLICITY HMI Overview

What is CIMPLICITY?

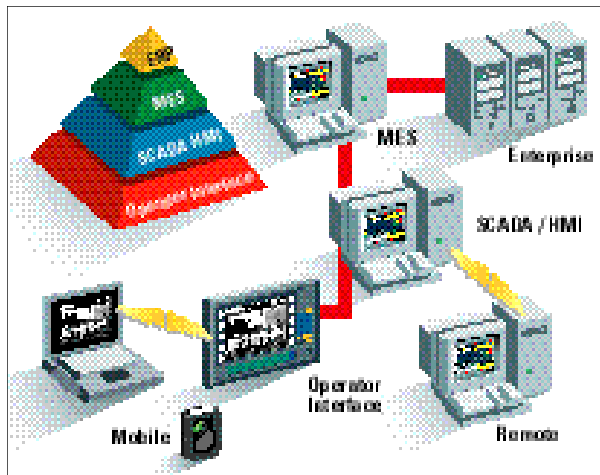
CIMPLICITY® is a powerful family of easy to use, supervisory monitoring and control software. The CIMPLICITY family of software includes products such as CIMPLICITY HMI, HMI for CNC, Tracker, and Batch Management System. CIMPLICITY allows you to consolidate the collection of data from the various sensors and devices in your facility. Once collected, CIMPLICITY allows you to then transform data into dynamic text, alarm, and graphic displays for your

users. Users then have access to live information required to make the decisions needed to improve quality and productivity resulting in greater profitability. CIMPLICITY also connects to your enterprise level systems allowing you to distribute production requirements to the shop floor and feedback production results. The two-way information flow of CIMPLICITY allows you to construct an integrated plant floor information system. With CIMPLICITY you are truly “Integrating People With The Process.”

CIMPLICITY HMI

- Data Collection and Consolidation
- Dynamic Graphical User Interface to the Facility
- Framework for Enterprise System Integration

Expanding Solutions to Meet Customer Needs



More Than Just an HMI

CIMPLICITY HMI breaks the mold of traditional HMI Systems. Developed with over 25 years of knowledge and experience implementing manufacturing systems, CIMPLICITY HMI is one of the most technologically advanced, open systems designed HMI products available. GE Fanuc took the years of experience gained working with true client server, multi-tasking, multi-user operating systems and brought it to the Microsoft Windows NT® world. As a member of the Microsoft Developers Network (MSDN), and Microsoft Solution Provider, GE Fanuc engineers worked with Microsoft engineers to fully understand their technologies and future visions. Designed as a native 32-bit application based on the Microsoft Win32 standard, CIMPLICITY HMI is not hampered by the legacy of 16-bit code as many other products on the market. At GE Fanuc, we have always worked in a 32-bit world—from our heritage with VMS and Unix-based systems, to today’s Microsoft technologies—it’s just natural for us.

Since GE Fanuc fully adopted the Microsoft standards into our product design we are accelerating the advancement of the product at a rapid rate in the market. And the results show in the product. CIMPLICITY HMI is capable of satisfying your most demanding applications. With connectivity into your enterprise systems—MES applications, remote, web, and wireless product options—CIMPLICITY HMI extends the reach of your monitoring and control system to a large number of users.

CIMPLICITY HMI Product Overview

True Client / Server Architecture

CIMPLICITY HMI is designed from the ground up with a true client/server architecture that allows you to implement solutions from a single node to a complete enterprise wide solution.

CIMPLICITY is designed in two main components — Servers and Viewers. CIMPLICITY Servers are responsible for the collection and distribution of your system data. CIMPLICITY Servers can seamlessly share data between each other while providing users a view of the processes being monitored. CIMPLICITY Viewers allow for additional users to view and interact with the system. Viewers do more than just view—you can perform control actions from them as well.

The beauty and strength of CIMPLICITY lies in its architecture. You can easily add Servers and Viewers to your CIMPLICITY system architecture without the need to replicate your point database from node to node. This greatly reduces the time and effort required to implement and maintain a system. You can start small, and build on your success without limits.

Technology Standards That Assure Your System's Future



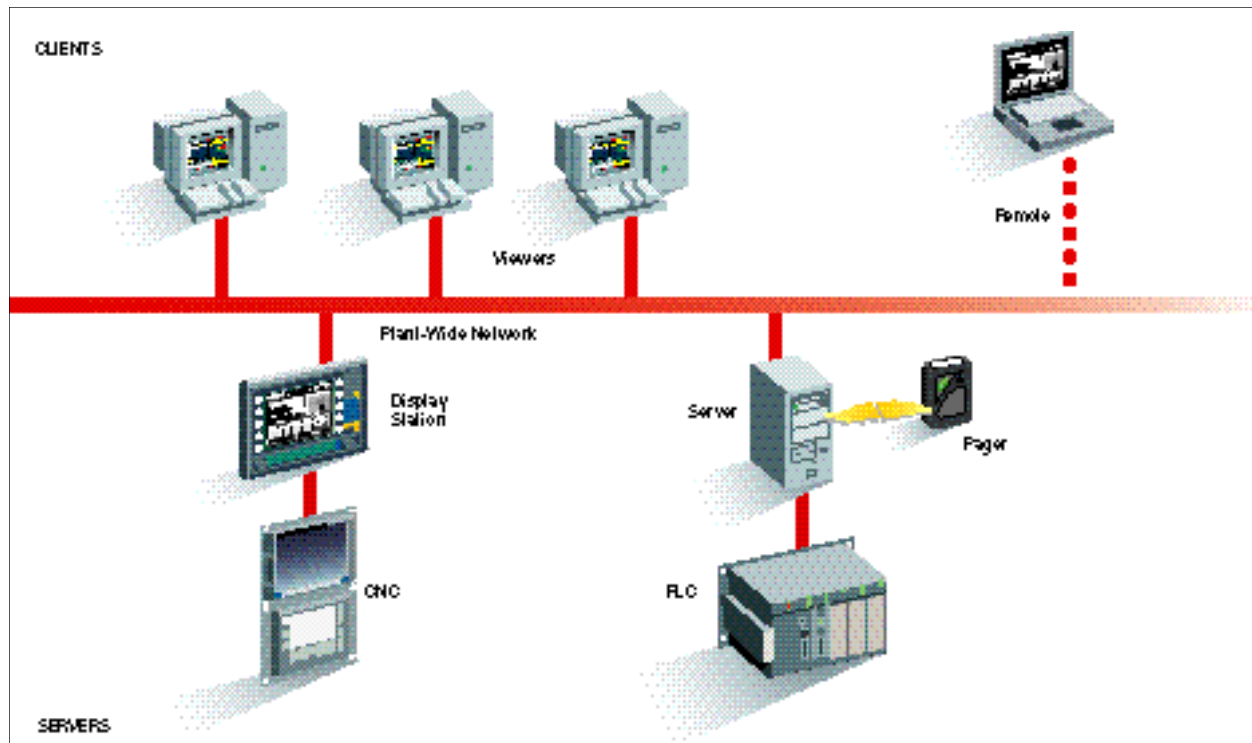
GE Fanuc is a Microsoft® Solution Provider which means our engineers are trained and certified for the latest Microsoft technologies. Microsoft is famous for its “alphabet soup” of acronyms for its technologies—OLE, COM, DCOM, ODBC, OPC, ActiveX®, DNA, and more.

CIMPLICITY HMI is designed to take full advantage of these technology standards. But we also understand that you probably don't care about acronyms—you just want

systems that are easy to install, easy to develop, easy to maintain, and won't be obsolete tomorrow. That's the important aspect about adopting technology standards. As Microsoft evolves their technologies, CIMPLICITY HMI will evolve as well.

CIMPLICITY HMI was the first HMI ActiveX container on the market. ActiveX objects are self-contained applications that can interact with other applications. ActiveX technology saves you development time by allowing you to drag and drop objects to create your applications. CIMPLICITY HMI provides its own ActiveX objects such as trends, alarm viewers, XY plots, SPC charts, and recipes, while also being an open container for third party ActiveX objects as well.

Client Server Architecture



CIMPLICITY HMI Product Overview

Positioned for Microsoft® Windows® 2000

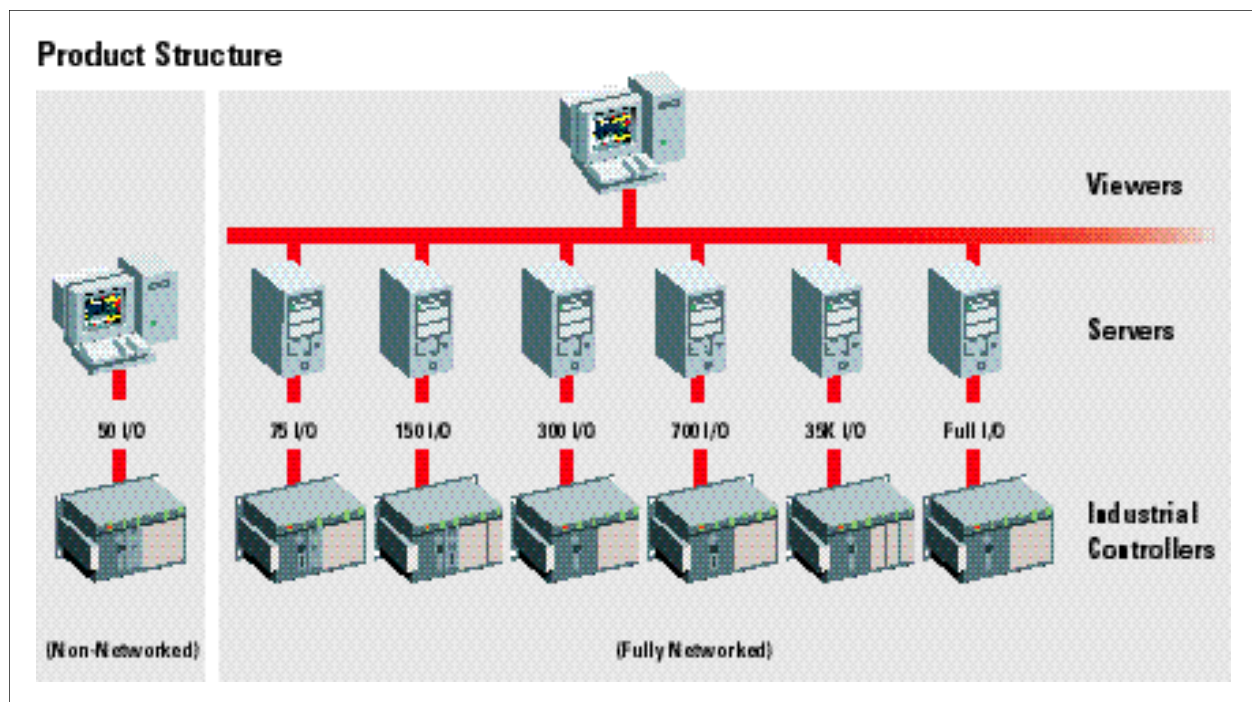
On October 27, 1998, Microsoft announced the evolution of Windows NT® to the Windows 2000 product line. With the insight gained from being part of the MSDN, GE Fanuc was able to design the CIMPLICITY HMI product to take advantage of Microsoft's future product vision long before this announcement.

The Windows 2000 Server and Windows 2000 Advanced Server products are designed to support symmetric multi-processing (SMP) (Running two or four CPUs in a single computer). CIMPLICITY HMI is the first HMI product designed to take advantage of the capabilities of SMP.

Product Structure

CIMPLICITY HMI is available in 50 (non-networked), 75, 150, 300, 700, 35,000 and No Limit I/O count Servers. I/O count is based on actual device points collected by the node. Virtual points (those points which only reside in the computer's memory) are not counted. For added flexibility, any CIMPLICITY HMI system can access points from another system. Points accessed from other systems do not count towards the total I/O count. Viewers are used to view data from servers and have no limit to the number of values they can display.

CIMPLICITY HMI also offers Development and Runtime Systems. Development and Runtime options are available for all systems. Development systems allow you to create new projects and can also function as a runtime system.



What Type of System Do I Need?

CIMPLICITY Development Servers

Whether you are beginning with a single node, or plan on a complete enterprise wide system, you will need to start with a CIMPLICITY Server. If you are a first time customer, you will need to start with a CIMPLICITY Development Server since this allows you to develop your project and application. Development Servers also allow you to run your project. For a single node application, a Development Server is all you will need.

CIMPLICITY Runtime Servers

Runtime Servers allow you to run copies of projects that were created on a Development Server. If you have several areas or applications you can create them on a Development Server and then deploy them on Runtime Servers. This is often the case with OEMs or users with multi-node systems.

CIMPLICITY Viewers

Viewers allow you to add additional users to your system. Viewers receive their information from CIMPLICITY Servers (Development or Runtime). You must have a CIMPLICITY Server before you consider the purchase of any Viewers. A Viewer is able to receive information from any of the CIMPLICITY Servers on your network.

CIMPLICITY Development Viewers

Development Viewers are offered to allow you to modify an existing project without the need to physically go to the Development Server. You cannot develop a project with only a Development Viewer. You must have a Development Server that connects to a Development Viewer.

Applications

CIMPLICITY HMI software can provide an important tool to many industries, including automotive, aerospace, oil and gas, chemical, petrochemical, food processing, beverage, pharmaceuticals, pulp and paper, pipelines, metals, water and wastewater treatment, transportation, semiconductor and much more.

CIMPLICITY Support and Services

GE Fanuc provides technical support for registered CIMPLICITY Software users under warranty or under a technical support software agreement.

GE Fanuc can provide expert consulting services to assist you in the specification, design, and implementation of your CIMPLICITY HMI system. Our team of engineers have a vast range of experience helping our customers and integrators implement their monitoring and control system solutions. Let us bring this experience to your project.

Ordering Information

For further information about CIMPLICITY Software products, consult your local GE Fanuc Automation Representative or CIMPLICITY Software Distributor.