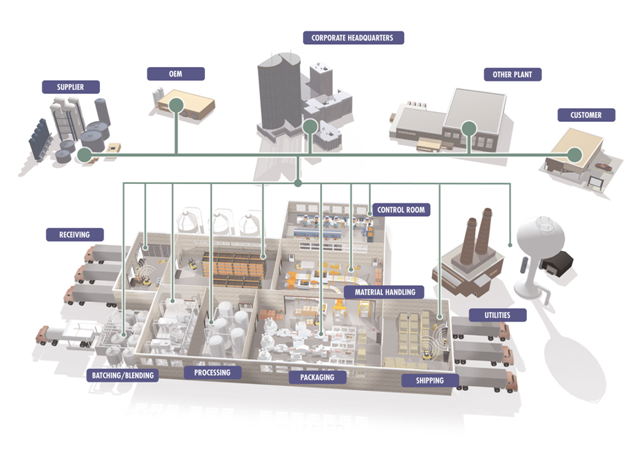
Integrated Architecture Builder

fabrica\_papel



Project Documentation

Reference

Version

**Wednesday, August 14, 2019 - 20:52**

/

Author

**Table of Contents:**

**No table of contents entries found.**

# Overview of Project 'fabrica\_papel'

## IAB Software Information:

Integrated Architecture Builder software is a tool designed to assist you in defining an automation configuration. While Integrated Architecture Builder Software has been designed and tested for accuracy and Bill of Material completeness, the underlying variables and assumptions of the tool may cause actual results to vary from expected results. Users of Integrated Architecture Builder software must independently determine to their own satisfaction the applicability of the resulting configuration and must assume responsibility for the use of the resulting configuration and bill of material. Integrated Architecture Builder software provides informational data on expected performance results. Rockwell Automation is not liable for the correctness of this data.

**Processor Checks:**

The Processor Chassis Checkers check the processor and any associated I/O and devices. The checker examines power consumption of all chassis, estimates memory requirements for the processor(s), and counts connections for the Processor and any local communication modules necessary to handle the network bandwidth. Any device that is "owned" by this processor will be accounted for when performing the check.

**ControlNet Network Checks:**

The ControlNet Wizard checks the device connections, network cabling components, and additional performance information about the network. Given certain information about device connectivity to processors and basic network setup information, the ControlNet wizard will check details on scheduled and unscheduled bandwidth, propagation delay, and Network Update Time. Results are based on approximate

**DeviceNet Network Checks:**

The DeviceNet Wizard checks the device connections and network cabling (trunk, taps and drops). It also verifies correct network sizing (power consumption, maximum length and Baud rate).

**EtherNet Network Checks:**

The EtherNet Wizard checks the device connections, network cabling components, and additional performance information about the network. Given certain information about device connectivity to processors and basic network setup information, the EtherNet wizard will check details on CIP / TCP connections, I/O packets per second, and HMI packets per seconds.

## Integrated Architecture

**The Convergence of Control and Information for Plantwide Optimization**

The Rockwell Automation Integrated Architecture™ system helps you to build a business in which information flows across your organization so you can better address key market challenges:

* **Productivity**

Improve **PRODUCTIVITY** with better asset utilization and system performance.

* + Develop a standard set of engineering objects you can use across all of your applications
  + Merge the production floor with the enterprise system to improve data flow and make faster, more informed business decisions
  + Improve uptime, increase speed and simplify integration using intelligent devices
  + Take advantage of a single network infrastructure
* **Innovation**

Cultivate **INNOVATION** with increased system flexibility and technical risk mitigation.

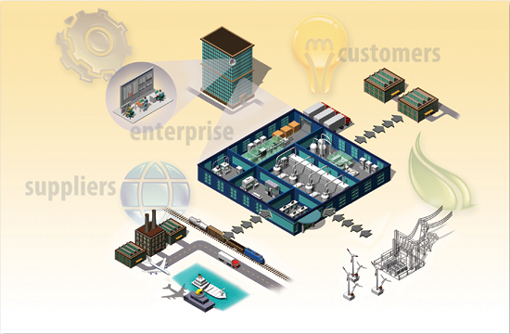
* + Invest less time in development so that you can spend more time creating new intellectual property
  + Quickly make production changes to better meet market demands
  + Mix industrial, business and commercial technologies to solve business challenges in new ways
  + Share best practices
* **Globalization**

Promote **GLOBALIZATION** with easy access to actionable, plantwide information.

* + Easily extract, share and use information across your enterprise and around the world directly from manufacturing assets like your controllers
  + Track your manufacturing assets on a global basis
  + Take advantage of a single, global standard
* **Sustainability**

Support **SUSTAINABILITY** with extended product lifecycles and better asset utilization.

* + Reduce waste by specifying a system in a footprint that meets your needs
  + Reduce energy costs by eliminating the need to "over-design"
  + Streamline required assets and simultaneously reduce storage, energy costs, and waste materials



How does the Integrated Architecture system accomplish this? By leveraging exceptional, industry-leading features that include:

* **Multiple Disciplines** — Functionality for a full range of automation applications with common equipment and standards
* **Scalable Dimensions** — Offerings that are right-sized by product, architecture and core multiple discipline functionality
* **EtherNet/IP** — A single network of IT-friendly Ethernet for information, I/O and motion
* **Real-Time Information** — Live data and open access throughout your power and control system, enterprise and supply chain
* **Knowledge Integration** — Premier integration of device and system to maximize and secure your intellectual property

The Integrated Architecture system provides the foundation to drive plantwide optimization efficiently and effectively, helping companies to respond competitively to the economy and changes in consumer demand.

## ControlLogix

For manufacturers, OEMs and Systems Integrators in virtually every industry, the Logix Control Platform increases productivity while reducing total cost of ownership.

Unlike conventional architectures, the Logix Control Platform provides fully integrated, scalable solutions for the full range of automation disciplines including discrete, motion, process control, batch, drive systems and safety using a single control platform, a single development environment and using a single, open communication protocol. The platform enables you to re-use engineering designs and practices to reduce development time and cost, respond more quickly to customer or market demands, reduce maintenance costs and downtime and easily gain access to actionable plant and production information for improved management and decision-making.

**ControlLogix Programmable Automation Controller**

*The Most Powerful, Most Expandable Controller*

ControlLogix brings together the benefits of the Logix platform—common programming environment, common networks, common control engine—to provide you with the performance your application requires in an easy-to-use environment. As part of the Logix Control Platform, you receive tight integration between the programming software, controller and I/O to reduce development time and cost at commissioning and during normal operation.

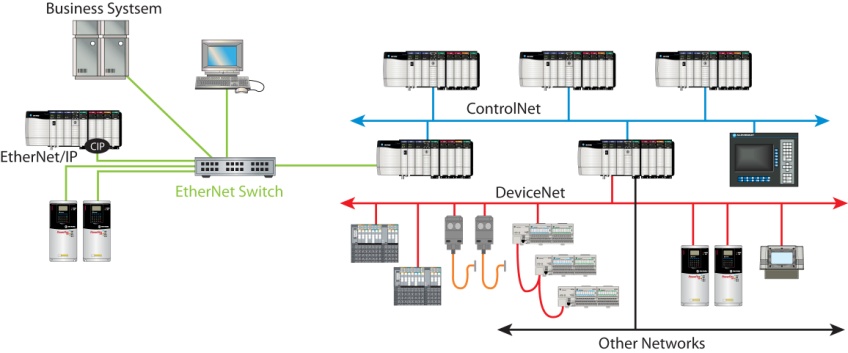


* *Mix multiple controllers, networks and I/O without restrictions to address all disciplines*
* *Mix standard and safety control in same chassis*

The ControlLogix programmable automation controller (PAC) features a modular control platform with virtually infinite expansion of controllers, networks and I/O. With memory options up to 32MB, ControlLogix controllers support intensive process applications and provide fast processing of motion instructions in a single integrated solution.

ControlLogix provides modular network communications that let you purchase only what you need. Interface using ControlLogix communication modules via a ControlLogix gateway without the need for a processor in the gateway chassis, or interface directly to a ControlLogix processor.

You may also combine any number of EtherNet/IP, ControlNet, DeviceNet, HART, FOUNDATION fieldbus, or other networks for maximum communications flexibility. Or, you may route and bridge between CIP (Common Industrial Protocol) networks with no controller overhead.



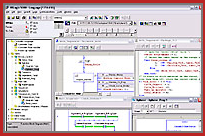
ControlLogix controllers also support redundant architectures with no additional programming or customized controllers for high availability. The primary controller automatically updates the secondary with any data changes needed to keep it synchronized.

Additionally, standard ControlLogix products are certified by TUV for use in Safety Integrity Level (SIL) 1 and SIL 2 applications. By using the same platform and development software as standard control systems, you may reduce development costs.

In terms of I/O, the ControlLogix platform provides a full range of digital, diagnostic digital, analog, motion control, and specialty I/O to meet a variety of application needs. Use any of the I/O modules in the local chassis of a ControlLogix controller or in a chassis linked to a ControlLogix controller across ControlNet™ or EtherNet/IP™ networks.

**Development Environment**

*Streamline engineering with outstanding ease-of-use*

With RSLogix 5000, only one software package is needed for discrete, process, batch, motion, safety and drive-based applications. RSLogix 5000 offers an easy-to-use, IEC61131-3 compliant interface, symbolic programming with structures and arrays and a comprehensive instruction set that serves many types of applications. It provides ladder logic, structured text, function block diagram and sequential function chart editors for program development as well as support for the S88 equipment phase state model for batch and machine control applications. RSLogix 5000 can help:

* reduce programming and ease startup and commissioning
* ease diagnostics and troubleshooting
* increase overall plant productivity

## CompactLogix

For manufacturers, OEMs and Systems Integrators in virtually every industry, the Logix Control Platform increases productivity while reducing total cost of ownership.

Unlike conventional architectures, the Logix Control Platform provides fully integrated, scalable solutions for the full range of automation disciplines including discrete, motion, process control, batch, drive systems and safety using a single control platform, a single development environment and using a single, open communication protocol. The platform enables you to re-use engineering designs and practices to reduce development time and cost, respond more quickly to customer or market demands, reduce maintenance costs and downtime and easily gain access to actionable plant and production information for improved management and decision-making.

**CompactLogix Programmable Automation Controller**

CompactLogix is an economical, scalable control system for small, standalone machine-level applications to mid-sized, system-connected applications. CompactLogix controllers use a common control engine with a common development environment to provide mid-range application control in an easy-to-use environment. Tight integration between the programming software, controller and I/O modules reduces development time and cost at commissioning and during normal operation. This commonality provides cost-effective integration of a machine or safety application into a plant-wide control system because it integrates safety, motion, discrete and drive capabilities in a single controller. Its compact form factor and rackless design are compatible with a full range of [Compact I/O](http://wwwdev.ab.com/programmablecontrol/pac/compactlogix/io.html) products.

**Controller Options**

Both networked and standalone CompactLogix controller options are offered within the following families:

* [**CompactLogix 1769-L2x**](http://wwwdev.ab.com/programmablecontrol/pac/compactlogix/1769-L2x.html) offer built-in discrete and analog I/O, high-speed counter, and RS-232 and Ethernet ports. The family also adds flexibility to expand the system up to 96 I/O using popular [1769 Compact I/O](http://wwwdev.ab.com/programmablecontrol/pac/compactlogix/io.html).
* [**CompactLogix 1769-L3x**](http://wwwdev.ab.com/programmablecontrol/pac/compactlogix/1769-L3x.html) offer a 750Kbyte memory capacity and support 16 local I/O modules as well as an integrated 10/100 Mbps EtherNet/IP connection and [marine-certified](http://phx.corporate-ir.net/phoenix.zhtml?c=196186&p=irol-newsArticle&ID=1111238&highlight=compactlogix) controllers.
* [**CompactLogix 1768-L4x**](http://wwwdev.ab.com/programmablecontrol/pac/compactlogix/1769-L4x.html) offer expanded scalability, [integrated motion](http://wwwdev.ab.com/programmablecontrol/pac/compactlogix/motion.html) capabilities and support use of multiple network cards.

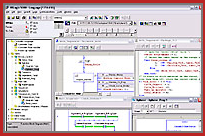
**Motion Capabilities**

The CompactLogix platform supports integrated motion control for small- to medium-size axes solutions connecting via a SERCOS interface.

* CompactLogix L4x controls up to four coordinated real, two feedback and six virtual SERCOS axes
* CompactLogix L3x controls stepper, servo via DeviceNet, and analog ac drives
* Automatic drive and motor configuration using catalog number-driven setup provides high performance and easy configuration
* Direct, in-line execution of motion instructions eliminates the need for complex handshaking logic, and significantly improves system performance. Motion instructions can be used in ladder, structured text, and sequential function chart
* Comprehensive library of motion instructions provides a broad range of motion capability including linear & circular interpolation, and position/time-based CAMing

**Development Environment**

*Streamline engineering with outstanding ease-of-use*

With RSLogix 5000, only one software package is needed for discrete, process, batch, motion, safety and drive-based applications. RSLogix 5000 offers an easy-to-use, IEC61131-3 compliant interface, symbolic programming with structures and arrays and a comprehensive instruction set that serves many types of applications. It provides ladder logic, structured text, function block diagram and sequential function chart editors for program development as well as support for the S88 equipment phase state model for batch and machine control applications. RSLogix 5000 can help:

* reduce programming and ease startup and commissioning
* ease diagnostics and troubleshooting
* increase overall plant productivity

## Micro800 System



Micro800 Control Systems are easy to install and maintain. One software package applies to the entire family. These systems offer just enough control for your lower-cost, stand-alone machines. You can buy only the functionality you need, and use plug-in modules to personalize your system for specific application needs.

**Controller Options**

**Micro810**  
With a nano-sized footprint, the Micro810 Programmable Controller functions as a smart relay with high-current relay outputs, but with the programming capabilities of a micro-PLC. As part of the Micro800 family, the Micro810 controller shares a common software and accessories.

**Micro830**  
 Micro830 Programmable Controllers are designed for stand-alone machine control applications that require flexible communications and I/O capabilities. Select from different controllers that share common software and accessories.

**Complete Control System**

**Micro800 Plug-In Modules**

With Micro800 Plug-in Modules, you can adapt your base unit controller to fit your application needs. Extend the functionality of embedded I/O without increasing the footprint of your controller. Increase the system capabilities through memory and clock modules.

* Available for additional I/O, communications, backup memory and specialty capabilities
* Snaps easily into controller without expanding the footprint
* Operates in -20…65 °C (-4…149 °F) temperatures

**Connected Components Workbench Software**

Connected Components Workbench software supports your Micro800 controllers and several of the Allen-Bradley® component-class products in your small machine. This software leverages proven Rockwell Automation and Microsoft Visual Studio technologies. Program your controllers, configure your devices and design your HMI screens using this software.

* Available as free web download or free DVD
* Free support and software updates
* Common, easy configuration
* Supports device configuration
* Lets you create and deploy user-defined function blocks
* Choice of programming languages with user-defined function block support (ladder diagram, function block diagram, structured text)
* Supports all Micro800 controllers, PowerFlex 4-class drives, and PanelView Component graphic terminals

## View



**Visualization:** To get to most out of your production assets,, you need the right information, in the right place, at the right time, and in the right format. From simple pushbuttons or indicators to plant or enterprise-wide production information, the actions you take are based on the available information.

Rockwell Automation visualization platforms provide you with a scalable, unified suite of operator interface and supervisory-level monitoring solutions that share the same development software, offering faster development and implementation, flexibility and lower total cost of ownership.

Premier integration into Integrated Architecture gives you visibility into your operations, which can lead to business success and performance when and where you need it.

**Information:** Operational excellence is no longer a luxury—it’s a strategic imperative, especially in industries driven by fast response to consumer demand, stringent quality and compliance, pressure from global competitors and a constant need to reduce operating costs.

The FactoryTalk Integrated Production and Performance Suite offers a modular integrated approach to deploying information solutions at machine, line, plant and enterprise levels. Now you can synchronize the information in your business and plant floor systems; monitor process and discrete control system in real-time to identify issues before they become real problems; implement lean tolls; track orders from dock to dock; simplify data collection and create a window into your plant’s day-to-day operations.

This suite of manufacturing applications addresses the production disciplines common to most enterprises. Modules can be deployed individually or in combination with each other to create solutions for today’s production management challenges. Interoperability is assured through the FactoryTalk Services Platform, a standards-based services oriented architecture for shared services and data.

## In-Cabinet Modular Distributed I/O

In-Cabinet (IP20) distributed I/O can be placed throughout your application and requires an enclosure. Our In-Cabinet Modular I/O products let you select the exact mix of I/O interfaces and communication adapters to fit your needs, providing greater flexibility in designing your system. In addition to a wide range of analog, digital, and specialty modules, we provide in-cabinet I/O options for extreme environments, I/O for safety systems, and intrinsic safety (IS) I/O that can be distributed throughout hazardous areas.

**1734 POINT I/O**

Bulletin 1734 POINT I/O™ is ideal for applications requiring flexibility and low cost of ownership. Granularity of one to eight points lets you buy only the I/O you need. The compact design makes installation easier in limited panel space. The family includes POINT Guard I/O™ safety-rated I/O modules that can be used side-by-side in a standard POINT I/O system. Network connectivity includes ControlNet™, DeviceNet™, EtherNet/IP™, and other open networks. Some modules feature DeviceLogix™ Smart Component Technology, integrating low-cost logic solving capability in your I/O for faster sense-to-actuation times.

|  |  |
| --- | --- |
|  | **Features**   * Modular design lets you independently select the I/O, termination style and network interface * Components install easily by sliding together; pull apart easily for maintenance * Removable wiring system saves time and money during installation and troubleshooting * Comprehensive diagnostics and configurable features makes POINT I/O™ easy to apply * Removal and Insertion Under Power (RIUP) lets you replace modules while the system is in operation * Mount horizontally or vertically, with no de-rating required * Auto Device Replacement (ADR) lets OEMs add features and I/O with minimal effort * Add-On-Profiles in RSLogix 5000 programming software provide smooth integration into Integrated Architecture systems |

**1794 FLEX I/O**

FLEX™ I/O offers the functionality of larger rack-based I/O without the space requirements. FLEX I/O offers cost-effectiveness, flexibility, modularity, and reliability. Communication options include EtherNet/IP™, ControlNet™, DeviceNet™, Universal Remote I/O, and other networks. FLEX‑I/O XT™ modules provide a distributed I/O solution for your ControlLogix‑XT™ extreme environment system.

|  |  |
| --- | --- |
|  | **Features**   * Modular design lets you independently select the I/O, termination style and network interface * Assembles without tools—all components snap onto a DIN rail and plug together to form the I/O system * Mounts horizontally or vertically on a standard DIN rail * Communicates on EtherNet/IP™, ControlNet™, DeviceNet™, Universal Remote I/O, and other networks * Removal and Insertion Under Power (RIUP) lets you replace modules and make connections while the system is in operation * FLEX-I/O XT™ extreme environment modules operate in a broader temperature range and are ANSI/ISA2, IEC and EMC-compliant * Configuration wizards speed engineering and installation |

**1797 FLEX Ex I/O**

Bulletin 1797 FLEX Ex™ Intrinsic Safety (IS) I/O couples the benefits of our FLEX™ I/O platform with IS technology. This lets you distribute I/O throughout hazardous areas with a single or redundant fiber or coax cable, virtually eliminating standalone IS barriers and isolators, enclosures, long wiring runs, and cable trays. FLEX Ex I/O communicates with your control system over a ControlNet™ network. It is compatible with standard FLEX I/O and communication modules for added flexibility in network choices and system configuration.

|  |  |
| --- | --- |
|  | **Features**   * Installs into hazardous areas (Zone 1) without purged or explosion-proof enclosures * Provides a ControlNet-based solution in the hazardous area using ControlNet™ Ex products * Modular design lets you independently select the I/O, termination style and network interface * Assembles without tools—all components snap onto a DIN rail and plug together to form the I/O system * Mounts horizontally or vertically on a standard DIN rail * Removal and Insertion Under Power (RIUP) lets you replace modules and make connections in the hazardous area while the system is in operation * Simplified engineering drawings, documentation, and site certification speed commissioning |

## EtherNet/IP

Globally the #1 industrial network by every meaningful measure.

* Largest installed base with several million nodes
* 300+ vendors
* Thousands of product lines available
* Preferred network of Rockwell Automation customers

EtherNet/IP™ uses standard Ethernet and TCP/IP exclusively.

* Same technology used on the Internet and in your company’s enterprise networks
* Reuse Ethernet training and IT expertise
* Mix commercial and industrial devices
* Easily integrate into your enterprise

EtherNet/IP offers the broadest industrial solutions and is proven in the most demanding applications. Our leading adoption and expertise in EtherNet/IP for industrial applications is why Rockwell Automation is a Strategic Alliance Partner with Cisco, working together to provide products, solutions, services, education and standards development to aid the convergence of IT and manufacturing around EtherNet/IP.

**EtherNet/IP Features**

* Portability across different data links (Ethernet and WiFi) and IP routability throughout the plant-wide network infrastructure and across WANs
* Seamless bridging and routing requires no additional assets such as proxies or store-and-forward devices
* Flexible and secure system implementation allows IT and manufacturing to collaborate easily to deploy and maintain security, reliability, and quality of service across the enterprise
* Scalable, future-ready network architecture using open standards, enabling you to quickly and efficiently deploy new technologies and capabilities
* Tested and validated design and implementation guidance, as well as best practices for a [converged Industrial/IT network architecture](http://www.ab.com/networks/architectures.html)

**Integration with the Enterprise**

* Easily integrates into existing Ethernet and TCP/IP installations, with no special requirements, products, or conditions to meet
* Uses commercial products such as Ethernet switches/routers/firewalls, IP cameras and IP telephony, as well as technologies like wireless and power line carrier
* Common tools for both industrial and enterprise networks require no special training, tools, or knowledge to leverage the IT workforce
* Future-proofs your application and networks by leveraging the ongoing advancements of standard Ethernet and TCP/IP

**Security**

Our [Security Solutions](http://www.rockwellautomation.com/solutions/security/) provide unique capabilities and expertise to reduce risk and enable greater operational uptime in control system networks.

**Network and Security Services**

Our [Network and Security Services](http://www.rockwellautomation.com/services/networks/) team can collaborate with you to achieve your production and business goals. Enhanced with Cisco Systems, Rockwell Automation is a Cisco Solution Technology Integrator (STI). As a STI partner, we can provide you with a combined solution, incorporating both Rockwell Automation and Cisco Systems hardware and services.

## Project's System List

*This Project contains the following Systems:*

## Project Errors/Warnings

Your project has errors and/or warnings. This means that your system may or may not work as expected. You need to review and resolve these issues to your satisfaction by going to the Project Checker tab of the Project Completeness Wizard and the Errors/Warnings tab of the Communications Details dialog to see the errors and/or warnings.

The General Checker has found the following errors:

|  |  |  |
| --- | --- | --- |
| CompactLogix\_Higienico1 | Error | Out of Total Power on bank 1: 2045mA used on 5V backplane (2000mA max). Please use a larger power supply or remove modules. |
| CompactLogix\_Higienico2 | Error | Out of Total Power on bank 1: 2045mA used on 5V backplane (2000mA max). Please use a larger power supply or remove modules. |
| CompactLogix\_Diverter | Error | Your project contains an empty slot(s) in 5069 Chassis. This I/O family doesn’t support empty slots as it is a snap together non-chassis system. Please remove the empty slot(s). |

The General Checker has found the following warnings:

|  |  |  |
| --- | --- | --- |
| CLogix\_PLCMaquina1 | Warning | Warning: At least one component in the 1756 chassis is not of a like environmental type. Meaning you are mixing some combination of standard, XT, and conformal coated devices. When you mix environmental types, then the rating of the chassis goes to the least robust device. |
| CLogix\_PLCMaquina1 | Warning | Your project contains possible CIP Security hardware. Use FactoryTalk Policy Manager to configure CIP Security. FactoryTalk Policy Manager comes with FactoryTalk Services Platform V6.11 or higher software package. |
| CLogix\_PLCMaquina2 | Warning | Warning: At least one component in the 1756 chassis is not of a like environmental type. Meaning you are mixing some combination of standard, XT, and conformal coated devices. When you mix environmental types, then the rating of the chassis goes to the least robust device. |
| CLogix\_PLCMaquina2 | Warning | Your project contains possible CIP Security hardware. Use FactoryTalk Policy Manager to configure CIP Security. FactoryTalk Policy Manager comes with FactoryTalk Services Platform V6.11 or higher software package. |
| Pantalla\_Compresora | Warning | HMI device Pantalla\_Compresora (Catalog number: 2711R-T4T) is not assigned to a controller. |

## Project's Network list

*This Project contains the following networks:*

|  |  |  |
| --- | --- | --- |
| ***Network Type*** | ***Network Name*** | ***Network Status*** |
| EtherNet/IP | Compresora | Ok |

## Project's hardware platforms list

*This Project contains the following Hardware platforms:*

|  |  |
| --- | --- |
| ***HW Platform Type*** | ***HW Platform Name*** |
| Micro800 | Micro850\_Compresora |
| View | Pantalla\_Compresora |
| ControlLogix | CLogix\_PLCMaquina1 |
| View | Pantalla\_Maquina1 |
| View | Pantalla\_Maquina2 |
| Micro800 | Micro850\_Rebobinadora1 |
| Micro800 | Micro850\_Rebobinadora2 |
| Point I/O | Extension\_Maquina1 |
| ControlLogix | CLogix\_PLCMaquina2 |
| Point I/O | Extension\_Maquina2 |
| View | Pantalla\_Higienico1 |
| View | Pantalla\_Higienico2 |
| Compact | CompactLogix\_Higienico1 |
| Compact | CompactLogix\_Higienico2 |
| 5069 Compact I/O | CompactLogix\_Diverter |
| View | Pantalla\_Diverter |

## Architecture View



# Bill of Materials

The list prices shown in this tool are reference points used by your distributor or Rockwell Automation to calculate your extended net prices and do not include applicable discounts and taxes. To obtain your extended net pricing for products, contact Rockwell Automation or your authorized distributor.

## Consolidated BOM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Qty** | **Catalog #** | **Description** | **($ - USD) Unit Price** | **($ - USD) Total Price** |
| 1 | 2080-LC50-48AWB | Controller, 28 120V AC Inputs, 20 Relay Output, 24 DC Input Power, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules. | 691.00 | 691.00 |
| 1 | 2711R-T4T | PanelView 800 4.3-Inch HMI Terminal, Touch Screen TFT with 4 function keypads, with Serial and Ethernet ports | 451.50 | 451.50 |
| 2 | 1756-A17 | 1756 Chassis 17 slots | 1,053.15 | 2,106.30 |
| 2 | 1756-PA75 | 85-265V AC Power Supply (5V @ 13 Amp) | 1,340.85 | 2,681.70 |
| 14 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 7,996.80 |
| 28 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 2,889.60 |
| 2 | 1756-OB32K | 10-31 VDC Output 32 Pts (36 Pin) - Conformally Coated | 885.15 | 1,770.30 |
| 2 | 1756-OB32 | 10-31 VDC Output 32 Pts (36 Pin) | 808.50 | 1,617.00 |
| 10 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 18,574.50 |
| 2 | 1756-OF8 | Analog Output - Current/Voltage 8 Pts (20 Pin) | 2,406.60 | 4,813.20 |
| 2 | 1756-TBNH | 20 Position NemA Screw Clamp Block | 83.37 | 166.74 |
| 2 | 1756-EN2T | EtherNet 10-100M Bridge Module | 3,250.80 | 6,501.60 |
| 2 | 1756-L81E | Logix5580E Controller With 3 Mbytes Memory | 6,181.00 | 12,362.00 |
| 2 | 2715P-T12WD-B | Graphic Terminal,12.1 in.,TFT Color,Wide Aspect Ratio,Touch Screen,Dual Port Ethernet,18-30 V DC,Without Allen-Bradley/PanelView Brand | 4,540.00 | 9,080.00 |
| 2 | 2080-LC50-48QBB | Controller, 28 24 VDC/VAC Inputs, 20 Source Output, 24 DC Input Power,Up to 6 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules & upto 3 axis of PTO motion | 691.00 | 1,382.00 |
| 4 | 2085-IQ16 | Input Module, Digital, 16 Point, 12/24VDC, Sink/Source , IEC | 150.00 | 600.00 |
| 2 | 2085-OB16 | Output Module, Digital, 16 Point, 12/24VDC, Source | 188.00 | 376.00 |
| 2 | 2085-ECR | Expansion I/O End Caps / Terminator | 16.28 | 32.56 |
| 2 | 1794-PS13 | 85-264 VAC To 24 VDC 1.3A Power Supply | 247.80 | 495.60 |
| 2 | 1734-AENT | 1734 EtherNet/IP Adapter | 573.30 | 1,146.60 |
| 16 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 5,443.20 |
| 16 | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 311.52 |
| 2 | 2711R-T7T | PanelView 800 7-Inch HMI Terminal, Touch Screen TFT, with Serial and Ethernet ports | 866.25 | 1,732.50 |
| 2 | 1769-ECR | Right End Cap Terminator | 39.09 | 78.18 |
| 2 | 1769-L30ER | CompactLogix 5370 L3 Controller, 2 EtherNet/IP ports, 1MB memory w/ supercap backup, up to 8 1769 I/O expansion modules, 16 EtherNet/IP and 120 TCP connections | 2,247.00 | 4,494.00 |
| 2 | 1769-PA2 | 120/240V AC Power Supply (5V @ 2 Amp) | 315.00 | 630.00 |
| 8 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 13,352.00 |
| 2 | 1769-OB8 | 8 Point High Power 24 VDC Output Module | 293.00 | 586.00 |
| 2 | 1769-OB32 | 32 Point 24 VDC Output Module | 592.00 | 1,184.00 |
| 2 | 1769-IQ32 | 32 Point 24 VDC Input Module | 488.00 | 976.00 |
| 2 | 1769-IF16C | 16 Channel Compact High-density Analog Current Input Module | 1,307.00 | 2,614.00 |
| 1 | 5069-L3100ERM | CompactLogix 10MB Enet Motion Controller,CompactLogix 5380 Controller, 10MB, 31 I/Os, 32 axis, 80 nodes, Standard | 14,472.00 | 14,472.00 |
| 1 | 5069-RTB64-SCREW | 5069 Compact I/O Power terminal RTB kit for 5069-AEN2TR. Contains both 4 and 6 pin Screw type RTB | 59.50 | 59.50 |
| 2 | 5069-IA16 | 5069compact I/O 16 channels AC input modules, supporting both 120 & 240 VAC signals | 364.00 | 728.00 |
| 22 | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 1,309.00 |
| 1 | 5069-FPD | 5069 Compact I/O Field Potential Distributor Module | 151.00 | 151.00 |
| 1 | 5069-RTB6-SCREW | 5069 Compact I/O 6 pin Screw type RTB packed kit | 16.38 | 16.38 |
| 13 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 3,289.00 |
| 7 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 2,289.00 |
| 1 | 2711P-T9W22A9P | Graphic Terminal, Performance Model, Extended Features,9.0 in., TFT Color, Standard Aspect Ratio, Touch screen, Device Level Ring Ethernet,85-264 V AC | 3,945.00 | 3,945.00 |
| 1 | 1783-US4T1F | Stratix 2000 Switch, Unmanaged, 4 Copper Ports, 1 Fiber w/LC-Connector | 263.55 | 263.55 |
| 2 | 1585J-M4TBJM-2 | Patchcord: RJ45 Male / RJ45 Male, 4-Conductor, Teal TPE, Flex Rated, 2 meters (6.56 feet) | 44.95 | 89.90 |
| 1 | 9324-RLD300ENE | Studio 5000 Standard Edition | 3,749.00 | 3,749.00 |
| 1 | 9701-VWSTMENE | FactoryTalk View Studio for Machine Edition | 926.00 | 926.00 |
| 1 | 9701-VWSB100AENE | FactoryTalk View SE Station 100 Display | 4,252.00 | 4,252.00 |
| 2 | 9313C-NMMS01T11 | FactoryTalk Network Manager node license | N/A | N/A |
|  |  |  |  |  |
|  |  |  | **Total:** | **$ 142,675.73** |

## Positional BOM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pos/Slot** | **Catalog #** | **Description** | **($ - USD) Unit Price** | **($ - USD) Total Price** |
|  |  | **Networks** |  |  |
|  |  |  |  |  |
|  |  | **Compresora : Switch\_Compresora** |  |  |
| N/A | 1783-US4T1F | Stratix 2000 Switch, Unmanaged, 4 Copper Ports, 1 Fiber w/LC-Connector | 263.55 | 263.55 |
| 1 | 1585J-M4TBJM-2 | Patchcord: RJ45 Male / RJ45 Male, 4-Conductor, Teal TPE, Flex Rated, 2 meters (6.56 feet) | 44.95 | 44.95 |
| 1 | 2080-LC50-48AWB | (Micro850\_Compresora) Controller, 28 120V AC Inputs, 20 Relay Output, 24 DC Input Power, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules. | In Hardware\*\* | 0.00 |
| 2 | 1585J-M4TBJM-2 | Patchcord: RJ45 Male / RJ45 Male, 4-Conductor, Teal TPE, Flex Rated, 2 meters (6.56 feet) | 44.95 | 44.95 |
| 2 | 2711R-T4T | (Pantalla\_Compresora) PanelView 800 4.3-Inch HMI Terminal, Touch Screen TFT with 4 function keypads, with Serial and Ethernet ports | In Hardware\*\* | 0.00 |
|  |  |  | **Subtotal:** | **$ 353.45** |
|  |  |  |  |  |
|  |  | **Hardware** |  |  |
|  |  |  |  |  |
|  |  | **Micro850\_Compresora** |  |  |
| N/A | 2080-LC50-48AWB | Controller, 28 120V AC Inputs, 20 Relay Output, 24 DC Input Power, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules. | 691.00 | 691.00 |
|  |  |  | **Subtotal:** | **$ 691.00** |
|  |  |  |  |  |
|  |  | **Pantalla\_Compresora** |  |  |
| N/A | 2711R-T4T | PanelView 800 4.3-Inch HMI Terminal, Touch Screen TFT with 4 function keypads, with Serial and Ethernet ports | 451.50 | 451.50 |
|  |  |  | **Subtotal:** | **$ 451.50** |
|  |  |  |  |  |
|  |  | **CLogix\_PLCMaquina1** |  |  |
| N/A | 1756-A17 | 1756 Chassis 17 slots | 1,053.15 | 1,053.15 |
| N/A | 1756-PA75 | 85-265V AC Power Supply (5V @ 13 Amp) | 1,340.85 | 1,340.85 |
| 0 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 0.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 1 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 1.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 2 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 2.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 3 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 3.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 4 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 4.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 5 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 5.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 6 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 6.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 7 | 1756-OB32K | 10-31 VDC Output 32 Pts (36 Pin) - Conformally Coated | 885.15 | 885.15 |
| 7.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 8 | 1756-OB32 | 10-31 VDC Output 32 Pts (36 Pin) | 808.50 | 808.50 |
| 8.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 9 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 9.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 10 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 10.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 11 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 11.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 12 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 12.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 13 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 13.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 14 | 1756-OF8 | Analog Output - Current/Voltage 8 Pts (20 Pin) | 2,406.60 | 2,406.60 |
| 14.1 | 1756-TBNH | 20 Position NemA Screw Clamp Block | 83.37 | 83.37 |
| 15 | 1756-EN2T | EtherNet 10-100M Bridge Module | 3,250.80 | 3,250.80 |
| 16 | 1756-L81E | Logix5580E Controller With 3 Mbytes Memory | 6,181.00 | 6,181.00 |
|  |  |  | **Subtotal:** | **$ 30,739.87** |
|  |  |  |  |  |
|  |  | **Pantalla\_Maquina1** |  |  |
| N/A | 2715P-T12WD-B | Graphic Terminal,12.1 in.,TFT Color,Wide Aspect Ratio,Touch Screen,Dual Port Ethernet,18-30 V DC,Without Allen-Bradley/PanelView Brand | 4,540.00 | 4,540.00 |
|  |  |  | **Subtotal:** | **$ 4,540.00** |
|  |  |  |  |  |
|  |  | **Pantalla\_Maquina2** |  |  |
| N/A | 2715P-T12WD-B | Graphic Terminal,12.1 in.,TFT Color,Wide Aspect Ratio,Touch Screen,Dual Port Ethernet,18-30 V DC,Without Allen-Bradley/PanelView Brand | 4,540.00 | 4,540.00 |
|  |  |  | **Subtotal:** | **$ 4,540.00** |
|  |  |  |  |  |
|  |  | **Micro850\_Rebobinadora1** |  |  |
| N/A | 2080-LC50-48QBB | Controller, 28 24 VDC/VAC Inputs, 20 Source Output, 24 DC Input Power,Up to 6 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules & upto 3 axis of PTO motion | 691.00 | 691.00 |
| 1 | 2085-IQ16 | Input Module, Digital, 16 Point, 12/24VDC, Sink/Source , IEC | 150.00 | 150.00 |
| 2 | 2085-IQ16 | Input Module, Digital, 16 Point, 12/24VDC, Sink/Source , IEC | 150.00 | 150.00 |
| 3 | 2085-OB16 | Output Module, Digital, 16 Point, 12/24VDC, Source | 188.00 | 188.00 |
| N/A | 2085-ECR | Expansion I/O End Caps / Terminator | 16.28 | 16.28 |
|  |  |  | **Subtotal:** | **$ 1,195.28** |
|  |  |  |  |  |
|  |  | **Micro850\_Rebobinadora2** |  |  |
| N/A | 2080-LC50-48QBB | Controller, 28 24 VDC/VAC Inputs, 20 Source Output, 24 DC Input Power,Up to 6 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules & upto 3 axis of PTO motion | 691.00 | 691.00 |
| 1 | 2085-IQ16 | Input Module, Digital, 16 Point, 12/24VDC, Sink/Source , IEC | 150.00 | 150.00 |
| 2 | 2085-IQ16 | Input Module, Digital, 16 Point, 12/24VDC, Sink/Source , IEC | 150.00 | 150.00 |
| 3 | 2085-OB16 | Output Module, Digital, 16 Point, 12/24VDC, Source | 188.00 | 188.00 |
| N/A | 2085-ECR | Expansion I/O End Caps / Terminator | 16.28 | 16.28 |
|  |  |  | **Subtotal:** | **$ 1,195.28** |
|  |  |  |  |  |
|  |  | **Extension\_Maquina1** |  |  |
| N/A | 1794-PS13 | 85-264 VAC To 24 VDC 1.3A Power Supply | 247.80 | 247.80 |
| 0 | 1734-AENT | 1734 EtherNet/IP Adapter | 573.30 | 573.30 |
| 1 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 2 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 3 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 4 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 5 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 6 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 7 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 8 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
|  |  |  | **Subtotal:** | **$ 3,698.46** |
|  |  |  |  |  |
|  |  | **CLogix\_PLCMaquina2** |  |  |
| N/A | 1756-A17 | 1756 Chassis 17 slots | 1,053.15 | 1,053.15 |
| N/A | 1756-PA75 | 85-265V AC Power Supply (5V @ 13 Amp) | 1,340.85 | 1,340.85 |
| 0 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 0.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 1 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 1.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 2 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 2.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 3 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 3.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 4 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 4.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 5 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 5.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 6 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 571.20 |
| 6.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 7 | 1756-OB32K | 10-31 VDC Output 32 Pts (36 Pin) - Conformally Coated | 885.15 | 885.15 |
| 7.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 8 | 1756-OB32 | 10-31 VDC Output 32 Pts (36 Pin) | 808.50 | 808.50 |
| 8.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 9 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 9.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 10 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 10.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 11 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 11.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 12 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 12.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 13 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 1,857.45 |
| 13.1 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 103.20 |
| 14 | 1756-OF8 | Analog Output - Current/Voltage 8 Pts (20 Pin) | 2,406.60 | 2,406.60 |
| 14.1 | 1756-TBNH | 20 Position NemA Screw Clamp Block | 83.37 | 83.37 |
| 15 | 1756-EN2T | EtherNet 10-100M Bridge Module | 3,250.80 | 3,250.80 |
| 16 | 1756-L81E | Logix5580E Controller With 3 Mbytes Memory | 6,181.00 | 6,181.00 |
|  |  |  | **Subtotal:** | **$ 30,739.87** |
|  |  |  |  |  |
|  |  | **Extension\_Maquina2** |  |  |
| N/A | 1794-PS13 | 85-264 VAC To 24 VDC 1.3A Power Supply | 247.80 | 247.80 |
| 0 | 1734-AENT | 1734 EtherNet/IP Adapter | 573.30 | 573.30 |
| 1 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 2 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 3 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 4 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 5 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 6 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 7 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
| 8 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 340.20 |
| N/A | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 19.47 |
|  |  |  | **Subtotal:** | **$ 3,698.46** |
|  |  |  |  |  |
|  |  | **Pantalla\_Higienico1** |  |  |
| N/A | 2711R-T7T | PanelView 800 7-Inch HMI Terminal, Touch Screen TFT, with Serial and Ethernet ports | 866.25 | 866.25 |
|  |  |  | **Subtotal:** | **$ 866.25** |
|  |  |  |  |  |
|  |  | **Pantalla\_Higienico2** |  |  |
| N/A | 2711R-T7T | PanelView 800 7-Inch HMI Terminal, Touch Screen TFT, with Serial and Ethernet ports | 866.25 | 866.25 |
|  |  |  | **Subtotal:** | **$ 866.25** |
|  |  |  |  |  |
|  |  | **CompactLogix\_Higienico1** |  |  |
| N/A | 1769-ECR | Right End Cap Terminator | 39.09 | 39.09 |
| 0 | 1769-L30ER | CompactLogix 5370 L3 Controller, 2 EtherNet/IP ports, 1MB memory w/ supercap backup, up to 8 1769 I/O expansion modules, 16 EtherNet/IP and 120 TCP connections | 2,247.00 | 2,247.00 |
| N/A | 1769-PA2 | 120/240V AC Power Supply (5V @ 2 Amp) | 315.00 | 315.00 |
| 1 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 2 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 3 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 4 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 5 | 1769-OB8 | 8 Point High Power 24 VDC Output Module | 293.00 | 293.00 |
| 6 | 1769-OB32 | 32 Point 24 VDC Output Module | 592.00 | 592.00 |
| 7 | 1769-IQ32 | 32 Point 24 VDC Input Module | 488.00 | 488.00 |
| 8 | 1769-IF16C | 16 Channel Compact High-density Analog Current Input Module | 1,307.00 | 1,307.00 |
|  |  |  | **Subtotal:** | **$ 11,957.09** |
|  |  |  |  |  |
|  |  | **CompactLogix\_Higienico2** |  |  |
| N/A | 1769-ECR | Right End Cap Terminator | 39.09 | 39.09 |
| 0 | 1769-L30ER | CompactLogix 5370 L3 Controller, 2 EtherNet/IP ports, 1MB memory w/ supercap backup, up to 8 1769 I/O expansion modules, 16 EtherNet/IP and 120 TCP connections | 2,247.00 | 2,247.00 |
| N/A | 1769-PA2 | 120/240V AC Power Supply (5V @ 2 Amp) | 315.00 | 315.00 |
| 1 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 2 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 3 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 4 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 1,669.00 |
| 5 | 1769-OB8 | 8 Point High Power 24 VDC Output Module | 293.00 | 293.00 |
| 6 | 1769-OB32 | 32 Point 24 VDC Output Module | 592.00 | 592.00 |
| 7 | 1769-IQ32 | 32 Point 24 VDC Input Module | 488.00 | 488.00 |
| 8 | 1769-IF16C | 16 Channel Compact High-density Analog Current Input Module | 1,307.00 | 1,307.00 |
|  |  |  | **Subtotal:** | **$ 11,957.09** |
|  |  |  |  |  |
|  |  | **CompactLogix\_Diverter** |  |  |
| 0 | 5069-L3100ERM | CompactLogix 10MB Enet Motion Controller,CompactLogix 5380 Controller, 10MB, 31 I/Os, 32 axis, 80 nodes, Standard | 14,472.00 | 14,472.00 |
| 0.1 | 5069-ECR | Includes (1) 5069-ECR: 5069 End cap | N/A | N/A |
| N/A | 5069-RTB64-SCREW | 5069 Compact I/O Power terminal RTB kit for 5069-AEN2TR. Contains both 4 and 6 pin Screw type RTB | 59.50 | 59.50 |
| 1 | 5069-IA16 | 5069compact I/O 16 channels AC input modules, supporting both 120 & 240 VAC signals | 364.00 | 364.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 2 | 5069-IA16 | 5069compact I/O 16 channels AC input modules, supporting both 120 & 240 VAC signals | 364.00 | 364.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| N/A | 5069-FPD | 5069 Compact I/O Field Potential Distributor Module | 151.00 | 151.00 |
| N/A | 5069-RTB6-SCREW | 5069 Compact I/O 6 pin Screw type RTB packed kit | 16.38 | 16.38 |
| 3 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 4 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 5 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 6 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 7 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 8 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 9 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 10 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 11 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 12 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 13 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 14 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 15 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 253.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 16 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 327.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 17 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 327.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 18 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 327.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 19 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 327.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 20 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 327.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 21 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 327.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
| 22 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 327.00 |
| N/A | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 59.50 |
|  |  |  | **Subtotal:** | **$ 22,313.88** |
|  |  |  |  |  |
|  |  | **Pantalla\_Diverter** |  |  |
| N/A | 2711P-T9W22A9P | Graphic Terminal, Performance Model, Extended Features,9.0 in., TFT Color, Standard Aspect Ratio, Touch screen, Device Level Ring Ethernet,85-264 V AC | 3,945.00 | 3,945.00 |
|  |  |  | **Subtotal:** | **$ 3,945.00** |
|  |  |  |  |  |
|  |  | **Rockwell Software** |  |  |
|  |  |  |  |  |
|  |  | **Studio 5000** |  |  |
| N/A | 9324-RLD300ENE | Studio 5000 Standard Edition | 3,749.00 | 3,749.00 |
|  |  |  | **Subtotal:** | **$ 3,749.00** |
|  |  |  |  |  |
|  |  | **FactoryTalk View Studio** |  |  |
| N/A | 9701-VWSTMENE | FactoryTalk View Studio for Machine Edition | 926.00 | 926.00 |
|  |  |  | **Subtotal:** | **$ 926.00** |
|  |  |  |  |  |
|  |  | **FactoryTalk View Site Edition Station** |  |  |
| N/A | 9701-VWSB100AENE | FactoryTalk View SE Station 100 Display | 4,252.00 | 4,252.00 |
|  |  |  | **Subtotal:** | **$ 4,252.00** |
|  |  |  |  |  |
|  |  | **Factory Talk Network Manager(FTNM)** |  |  |
| N/A | 9313C-NMMS01T11 | FactoryTalk Network Manager node license | N/A | N/A |
|  |  |  | **Subtotal:** | **$ 0.00** |
|  |  |  |  |  |
|  |  |  | **Total:** | **$ 142,675.73** |

## Organized BOM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Qty** | **Catalog #** | **Description** | **($ - USD) Unit Price** | **($ - USD) Total Price** |
|  |  | **Networks** |  |  |
|  |  |  |  |  |
|  |  | **Compresora : Switch\_Compresora** |  |  |
| 1 | 1783-US4T1F | Stratix 2000 Switch, Unmanaged, 4 Copper Ports, 1 Fiber w/LC-Connector | 263.55 | 263.55 |
| 2 | 1585J-M4TBJM-2 | Patchcord: RJ45 Male / RJ45 Male, 4-Conductor, Teal TPE, Flex Rated, 2 meters (6.56 feet) | 44.95 | 89.90 |
| 1 | 2080-LC50-48AWB | (Micro850\_Compresora) Controller, 28 120V AC Inputs, 20 Relay Output, 24 DC Input Power, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules. | In Hardware\*\* | 0.00 |
| 1 | 2711R-T4T | (Pantalla\_Compresora) PanelView 800 4.3-Inch HMI Terminal, Touch Screen TFT with 4 function keypads, with Serial and Ethernet ports | In Hardware\*\* | 0.00 |
|  |  |  | **Subtotal:** | **$ 353.45** |
|  |  |  |  |  |
|  |  | **Hardware** |  |  |
|  |  |  |  |  |
|  |  | **Micro850\_Compresora** |  |  |
| 1 | 2080-LC50-48AWB | Controller, 28 120V AC Inputs, 20 Relay Output, 24 DC Input Power, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules. | 691.00 | 691.00 |
|  |  |  | **Subtotal:** | **$ 691.00** |
|  |  |  |  |  |
|  |  | **Pantalla\_Compresora** |  |  |
| 1 | 2711R-T4T | PanelView 800 4.3-Inch HMI Terminal, Touch Screen TFT with 4 function keypads, with Serial and Ethernet ports | 451.50 | 451.50 |
|  |  |  | **Subtotal:** | **$ 451.50** |
|  |  |  |  |  |
|  |  | **CLogix\_PLCMaquina1** |  |  |
| 1 | 1756-A17 | 1756 Chassis 17 slots | 1,053.15 | 1,053.15 |
| 1 | 1756-PA75 | 85-265V AC Power Supply (5V @ 13 Amp) | 1,340.85 | 1,340.85 |
| 7 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 3,998.40 |
| 14 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 1,444.80 |
| 1 | 1756-OB32K | 10-31 VDC Output 32 Pts (36 Pin) - Conformally Coated | 885.15 | 885.15 |
| 1 | 1756-OB32 | 10-31 VDC Output 32 Pts (36 Pin) | 808.50 | 808.50 |
| 5 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 9,287.25 |
| 1 | 1756-OF8 | Analog Output - Current/Voltage 8 Pts (20 Pin) | 2,406.60 | 2,406.60 |
| 1 | 1756-TBNH | 20 Position NemA Screw Clamp Block | 83.37 | 83.37 |
| 1 | 1756-EN2T | EtherNet 10-100M Bridge Module | 3,250.80 | 3,250.80 |
| 1 | 1756-L81E | Logix5580E Controller With 3 Mbytes Memory | 6,181.00 | 6,181.00 |
|  |  |  | **Subtotal:** | **$ 30,739.87** |
|  |  |  |  |  |
|  |  | **Pantalla\_Maquina1** |  |  |
| 1 | 2715P-T12WD-B | Graphic Terminal,12.1 in.,TFT Color,Wide Aspect Ratio,Touch Screen,Dual Port Ethernet,18-30 V DC,Without Allen-Bradley/PanelView Brand | 4,540.00 | 4,540.00 |
|  |  |  | **Subtotal:** | **$ 4,540.00** |
|  |  |  |  |  |
|  |  | **Pantalla\_Maquina2** |  |  |
| 1 | 2715P-T12WD-B | Graphic Terminal,12.1 in.,TFT Color,Wide Aspect Ratio,Touch Screen,Dual Port Ethernet,18-30 V DC,Without Allen-Bradley/PanelView Brand | 4,540.00 | 4,540.00 |
|  |  |  | **Subtotal:** | **$ 4,540.00** |
|  |  |  |  |  |
|  |  | **Micro850\_Rebobinadora1** |  |  |
| 1 | 2080-LC50-48QBB | Controller, 28 24 VDC/VAC Inputs, 20 Source Output, 24 DC Input Power,Up to 6 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules & upto 3 axis of PTO motion | 691.00 | 691.00 |
| 2 | 2085-IQ16 | Input Module, Digital, 16 Point, 12/24VDC, Sink/Source , IEC | 150.00 | 300.00 |
| 1 | 2085-OB16 | Output Module, Digital, 16 Point, 12/24VDC, Source | 188.00 | 188.00 |
| 1 | 2085-ECR | Expansion I/O End Caps / Terminator | 16.28 | 16.28 |
|  |  |  | **Subtotal:** | **$ 1,195.28** |
|  |  |  |  |  |
|  |  | **Micro850\_Rebobinadora2** |  |  |
| 1 | 2080-LC50-48QBB | Controller, 28 24 VDC/VAC Inputs, 20 Source Output, 24 DC Input Power,Up to 6 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports, supports upto 4 Expansion Modules & upto 3 axis of PTO motion | 691.00 | 691.00 |
| 2 | 2085-IQ16 | Input Module, Digital, 16 Point, 12/24VDC, Sink/Source , IEC | 150.00 | 300.00 |
| 1 | 2085-OB16 | Output Module, Digital, 16 Point, 12/24VDC, Source | 188.00 | 188.00 |
| 1 | 2085-ECR | Expansion I/O End Caps / Terminator | 16.28 | 16.28 |
|  |  |  | **Subtotal:** | **$ 1,195.28** |
|  |  |  |  |  |
|  |  | **Extension\_Maquina1** |  |  |
| 1 | 1794-PS13 | 85-264 VAC To 24 VDC 1.3A Power Supply | 247.80 | 247.80 |
| 1 | 1734-AENT | 1734 EtherNet/IP Adapter | 573.30 | 573.30 |
| 8 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 2,721.60 |
| 8 | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 155.76 |
|  |  |  | **Subtotal:** | **$ 3,698.46** |
|  |  |  |  |  |
|  |  | **CLogix\_PLCMaquina2** |  |  |
| 1 | 1756-A17 | 1756 Chassis 17 slots | 1,053.15 | 1,053.15 |
| 1 | 1756-PA75 | 85-265V AC Power Supply (5V @ 13 Amp) | 1,340.85 | 1,340.85 |
| 7 | 1756-IB32 | 10-31 VDC Input 32 Pts (36 Pin) | 571.20 | 3,998.40 |
| 14 | 1756-TBCH | 36 Pin Screw Clamp Block With Standard Housing | 103.20 | 1,444.80 |
| 1 | 1756-OB32K | 10-31 VDC Output 32 Pts (36 Pin) - Conformally Coated | 885.15 | 885.15 |
| 1 | 1756-OB32 | 10-31 VDC Output 32 Pts (36 Pin) | 808.50 | 808.50 |
| 5 | 1756-IF16 | Analog Input - Current/Voltage 16 Pts (36 Pin) | 1,857.45 | 9,287.25 |
| 1 | 1756-OF8 | Analog Output - Current/Voltage 8 Pts (20 Pin) | 2,406.60 | 2,406.60 |
| 1 | 1756-TBNH | 20 Position NemA Screw Clamp Block | 83.37 | 83.37 |
| 1 | 1756-EN2T | EtherNet 10-100M Bridge Module | 3,250.80 | 3,250.80 |
| 1 | 1756-L81E | Logix5580E Controller With 3 Mbytes Memory | 6,181.00 | 6,181.00 |
|  |  |  | **Subtotal:** | **$ 30,739.87** |
|  |  |  |  |  |
|  |  | **Extension\_Maquina2** |  |  |
| 1 | 1794-PS13 | 85-264 VAC To 24 VDC 1.3A Power Supply | 247.80 | 247.80 |
| 1 | 1734-AENT | 1734 EtherNet/IP Adapter | 573.30 | 573.30 |
| 8 | 1734-OE2V | 2-Point Analog Voltage Output Module | 340.20 | 2,721.60 |
| 8 | 1734-TOP | One-Piece Terminal Base, 8-point, Screw Clamp Terminals | 19.47 | 155.76 |
|  |  |  | **Subtotal:** | **$ 3,698.46** |
|  |  |  |  |  |
|  |  | **Pantalla\_Higienico1** |  |  |
| 1 | 2711R-T7T | PanelView 800 7-Inch HMI Terminal, Touch Screen TFT, with Serial and Ethernet ports | 866.25 | 866.25 |
|  |  |  | **Subtotal:** | **$ 866.25** |
|  |  |  |  |  |
|  |  | **Pantalla\_Higienico2** |  |  |
| 1 | 2711R-T7T | PanelView 800 7-Inch HMI Terminal, Touch Screen TFT, with Serial and Ethernet ports | 866.25 | 866.25 |
|  |  |  | **Subtotal:** | **$ 866.25** |
|  |  |  |  |  |
|  |  | **CompactLogix\_Higienico1** |  |  |
| 1 | 1769-ECR | Right End Cap Terminator | 39.09 | 39.09 |
| 1 | 1769-L30ER | CompactLogix 5370 L3 Controller, 2 EtherNet/IP ports, 1MB memory w/ supercap backup, up to 8 1769 I/O expansion modules, 16 EtherNet/IP and 120 TCP connections | 2,247.00 | 2,247.00 |
| 1 | 1769-PA2 | 120/240V AC Power Supply (5V @ 2 Amp) | 315.00 | 315.00 |
| 4 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 6,676.00 |
| 1 | 1769-OB8 | 8 Point High Power 24 VDC Output Module | 293.00 | 293.00 |
| 1 | 1769-OB32 | 32 Point 24 VDC Output Module | 592.00 | 592.00 |
| 1 | 1769-IQ32 | 32 Point 24 VDC Input Module | 488.00 | 488.00 |
| 1 | 1769-IF16C | 16 Channel Compact High-density Analog Current Input Module | 1,307.00 | 1,307.00 |
|  |  |  | **Subtotal:** | **$ 11,957.09** |
|  |  |  |  |  |
|  |  | **CompactLogix\_Higienico2** |  |  |
| 1 | 1769-ECR | Right End Cap Terminator | 39.09 | 39.09 |
| 1 | 1769-L30ER | CompactLogix 5370 L3 Controller, 2 EtherNet/IP ports, 1MB memory w/ supercap backup, up to 8 1769 I/O expansion modules, 16 EtherNet/IP and 120 TCP connections | 2,247.00 | 2,247.00 |
| 1 | 1769-PA2 | 120/240V AC Power Supply (5V @ 2 Amp) | 315.00 | 315.00 |
| 4 | 1769-OF8C | 8 Channel Analog Current Output Module | 1,669.00 | 6,676.00 |
| 1 | 1769-OB8 | 8 Point High Power 24 VDC Output Module | 293.00 | 293.00 |
| 1 | 1769-OB32 | 32 Point 24 VDC Output Module | 592.00 | 592.00 |
| 1 | 1769-IQ32 | 32 Point 24 VDC Input Module | 488.00 | 488.00 |
| 1 | 1769-IF16C | 16 Channel Compact High-density Analog Current Input Module | 1,307.00 | 1,307.00 |
|  |  |  | **Subtotal:** | **$ 11,957.09** |
|  |  |  |  |  |
|  |  | **CompactLogix\_Diverter** |  |  |
| 1 | 5069-L3100ERM | CompactLogix 10MB Enet Motion Controller,CompactLogix 5380 Controller, 10MB, 31 I/Os, 32 axis, 80 nodes, Standard | 14,472.00 | 14,472.00 |
| 1 | 5069-ECR | Includes (1) 5069-ECR: 5069 End cap | N/A | N/A |
| 1 | 5069-RTB64-SCREW | 5069 Compact I/O Power terminal RTB kit for 5069-AEN2TR. Contains both 4 and 6 pin Screw type RTB | 59.50 | 59.50 |
| 2 | 5069-IA16 | 5069compact I/O 16 channels AC input modules, supporting both 120 & 240 VAC signals | 364.00 | 728.00 |
| 22 | 5069-RTB18-SCREW | 5069 Compact I/O 18 pins Screw type terminal block kit | 59.50 | 1,309.00 |
| 1 | 5069-FPD | 5069 Compact I/O Field Potential Distributor Module | 151.00 | 151.00 |
| 1 | 5069-RTB6-SCREW | 5069 Compact I/O 6 pin Screw type RTB packed kit | 16.38 | 16.38 |
| 13 | 5069-IB16 | 5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter | 253.00 | 3,289.00 |
| 7 | 5069-OB16 | 5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold last state | 327.00 | 2,289.00 |
|  |  |  | **Subtotal:** | **$ 22,313.88** |
|  |  |  |  |  |
|  |  | **Pantalla\_Diverter** |  |  |
| 1 | 2711P-T9W22A9P | Graphic Terminal, Performance Model, Extended Features,9.0 in., TFT Color, Standard Aspect Ratio, Touch screen, Device Level Ring Ethernet,85-264 V AC | 3,945.00 | 3,945.00 |
|  |  |  | **Subtotal:** | **$ 3,945.00** |
|  |  |  |  |  |
|  |  | **Rockwell Software** |  |  |
|  |  |  |  |  |
|  |  | **Studio 5000** |  |  |
| 1 | 9324-RLD300ENE | Studio 5000 Standard Edition | 3,749.00 | 3,749.00 |
|  |  |  | **Subtotal:** | **$ 3,749.00** |
|  |  |  |  |  |
|  |  | **FactoryTalk View Studio** |  |  |
| 1 | 9701-VWSTMENE | FactoryTalk View Studio for Machine Edition | 926.00 | 926.00 |
|  |  |  | **Subtotal:** | **$ 926.00** |
|  |  |  |  |  |
|  |  | **FactoryTalk View Site Edition Station** |  |  |
| 1 | 9701-VWSB100AENE | FactoryTalk View SE Station 100 Display | 4,252.00 | 4,252.00 |
|  |  |  | **Subtotal:** | **$ 4,252.00** |
|  |  |  |  |  |
|  |  | **Factory Talk Network Manager(FTNM)** |  |  |
| 2 | 9313C-NMMS01T11 | FactoryTalk Network Manager node license | N/A | N/A |
|  |  |  | **Subtotal:** | **$ 0.00** |
|  |  |  |  |  |
|  |  |  | **Total:** | **$ 142,675.73** |

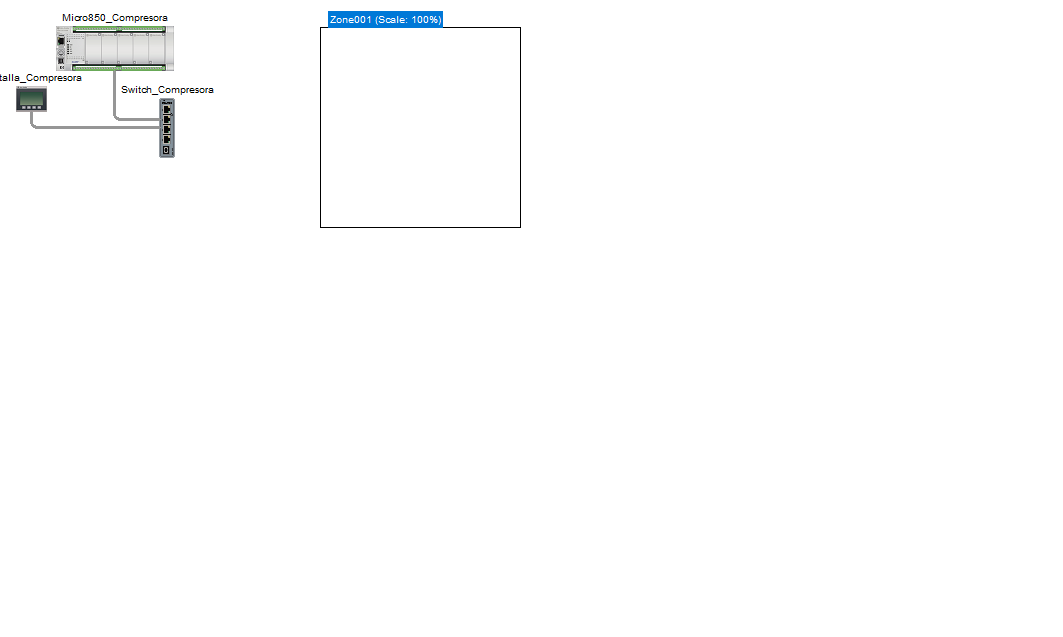
# Network Details

## Network 'Compresora'

### EtherNet/IP network status : Ok

### Graphics:

Zone: Network



Zone: Zone001



### Performance Data:

|  |  |
| --- | --- |
| Ethernet Media Utilization | 0.0% |

### Layout Information:

Network

Zone001

Switch\_Compresora, 1783-US4T1F

A#10.0.2.4, Micro850\_Compresora, 2080-LC50-48AWB

A#10.0.2.5, Pantalla\_Compresora, 2711R-T4T

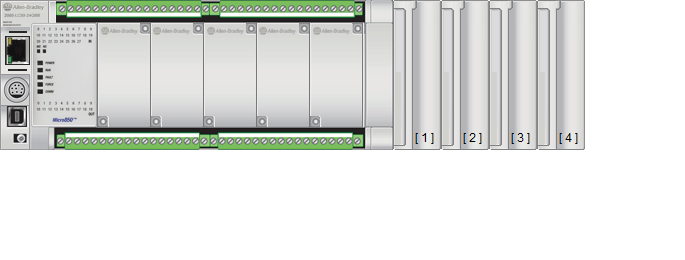
### Network Connections



# Hardware Platforms

## Platform 'Micro850\_Compresora'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Satisfied by Control Power |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Required |

**Network Connectivity**

|  |  |
| --- | --- |
| 2080-LC50-48AWB | Connected to Compresora/Switch\_Compresora |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2080-LC50-48AWB |  |

## Platform 'Pantalla\_Compresora'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Satisfied by Control Power |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

**Network Connectivity**

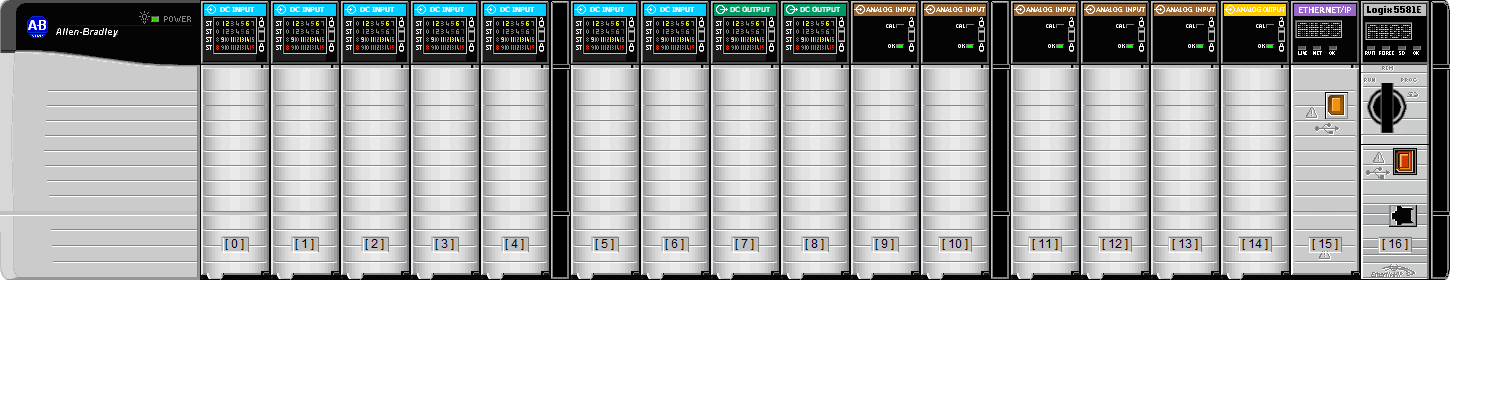
|  |  |
| --- | --- |
| 2711R-T4T | Connected to Compresora/Switch\_Compresora |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2711R-T4T |  |

## Platform 'CLogix\_PLCMaquina1'

### Graphics:



### Performance Data:

**Processor Checker Warnings:**

1. Warning: At least one component in the 1756 chassis is not of a like environmental type. Meaning you are mixing some combination of standard, XT, and conformal coated devices. When you mix environmental types, then the rating of the chassis goes to the least robust device.

2. Your project contains possible CIP Security hardware. Use FactoryTalk Policy Manager to configure CIP Security. FactoryTalk Policy Manager comes with FactoryTalk Services Platform V6.11 or higher software package.

**Processor Checker Info:**

1. Please Note: IAB is coded using v30 (100 nodes) EtherNet/IP node limits for it's rule checking. If you are using v29 (60 nodes), the limits are reduced. You must manually determine if you are over the limit by using Table 14 of the Rockwell Automation publication 1756-UM543E-EN-P - December 2016.

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Required |

**Backplane Power Information**

|  |  |
| --- | --- |
| Power Supply: | 1756-PA75 |
| 5V Used: | 4540 mA |
| 5V Remaining: | 8460 mA |
| 24V Used: | 556 mA |
| 24V Remaining: | 2244 mA |
| Power Used: | 36280 mW |
| Power Remaining: | 38720 mW |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Satisfied by Field Power |

**Dimension Details ( 1756-A17 )**

|  |  |
| --- | --- |
| Height | 170.94 mm (6.73 inches) |
| Width | 654.30 mm (25.76 inches) |
| Depth | 145.03 mm (5.71 inches) |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 1756-A17 | not connected |
| N/A | 1756-PA75 | not connected |
| 0 | 1756-IB32 |  |
| 0.1 | 1756-TBCH |  |
| 1 | 1756-IB32 |  |
| 1.1 | 1756-TBCH |  |
| 2 | 1756-IB32 |  |
| 2.1 | 1756-TBCH |  |
| 3 | 1756-IB32 |  |
| 3.1 | 1756-TBCH |  |
| 4 | 1756-IB32 |  |
| 4.1 | 1756-TBCH |  |
| 5 | 1756-IB32 |  |
| 5.1 | 1756-TBCH |  |
| 6 | 1756-IB32 |  |
| 6.1 | 1756-TBCH |  |
| 7 | 1756-OB32K |  |
| 7.1 | 1756-TBCH |  |
| 8 | 1756-OB32 |  |
| 8.1 | 1756-TBCH |  |
| 9 | 1756-IF16 |  |
| 9.1 | 1756-TBCH |  |
| 10 | 1756-IF16 |  |
| 10.1 | 1756-TBCH |  |
| 11 | 1756-IF16 |  |
| 11.1 | 1756-TBCH |  |
| 12 | 1756-IF16 |  |
| 12.1 | 1756-TBCH |  |
| 13 | 1756-IF16 |  |
| 13.1 | 1756-TBCH |  |
| 14 | 1756-OF8 |  |
| 14.1 | 1756-TBNH |  |
| 15 | 1756-EN2T | not connected |
| 16 | 1756-L81E | not connected |

#### Product Dimension Units are in mm (Inches)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Slot # | Catalog # | Height | Width | Depth |
| N/A | 1756-A17 | 170.94(6.73) | 654.30(25.76) | 145.03(5.71) |
| N/A | 1756-PA75 | 145.00(5.71) | 112.00(4.41) | 140.00(5.51) |
| 0 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 1 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 2 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 3 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 4 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 5 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 6 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 7 | 1756-OB32K | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 8 | 1756-OB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 9 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 10 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 11 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 12 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 13 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 14 | 1756-OF8 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 15 | 1756-EN2T | 144.50(5.69) | 34.62(1.36) | 143.76(5.66) |
| 16 | 1756-L81E | 145.80(5.74) | 34.60(1.36) | 137.80(5.43) |

## Platform 'Pantalla\_Maquina1'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Required |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2715P-T12WD-B |  |

## Platform 'Pantalla\_Maquina2'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Required |

**Field Power Information**

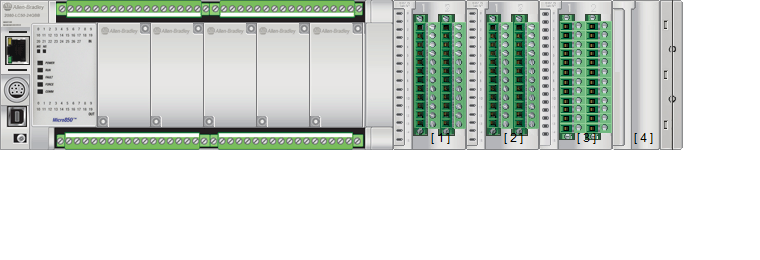
|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2715P-T12WD-B |  |

## Platform 'Micro850\_Rebobinadora1'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Satisfied by Control Power |

**Field Power Information**

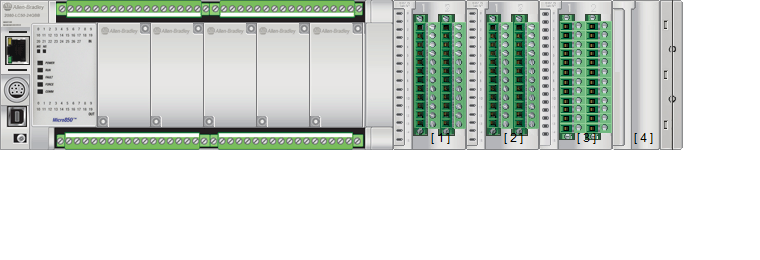
|  |  |
| --- | --- |
| Field Power Status: | Not Required |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2080-LC50-48QBB |  |
| 1 | 2085-IQ16 |  |
| 2 | 2085-IQ16 |  |
| 3 | 2085-OB16 |  |
| N/A | 2085-ECR |  |

## Platform 'Micro850\_Rebobinadora2'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Satisfied by Control Power |

**Field Power Information**

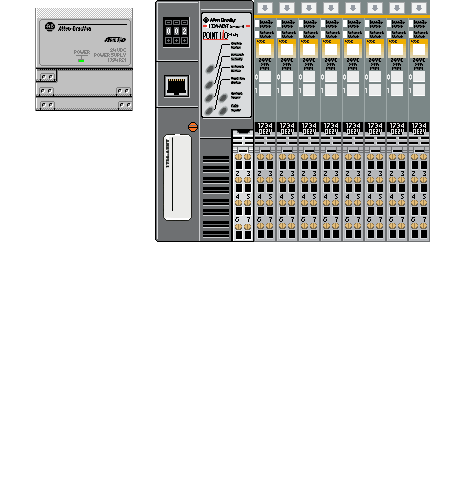
|  |  |
| --- | --- |
| Field Power Status: | Not Required |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2080-LC50-48QBB |  |
| 1 | 2085-IQ16 |  |
| 2 | 2085-IQ16 |  |
| 3 | 2085-OB16 |  |
| N/A | 2085-ECR |  |

## Platform 'Extension\_Maquina1'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Satisfied by Chassis Configuration |
| Power Supply: | 1794-PS13 |
| Power Used: | 4500 mW |
| Power Remaining: | 26700 mW |

**Backplane Power Information**

|  |  |
| --- | --- |
| Bank 1 |  |
| 1734-AENT |  |
| 5V Used: | 600 mA |
| 5V Remaining: | 400 mA |

**Field Power Information**

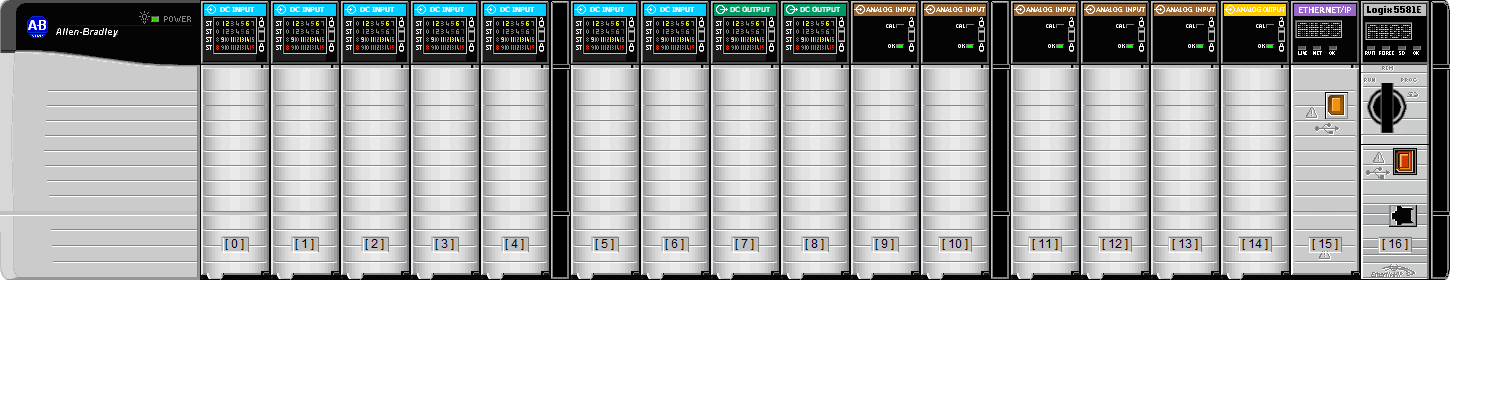
|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 1794-PS13 |  |
| 0 | 1734-AENT | not connected  not connected |
| 1 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 2 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 3 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 4 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 5 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 6 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 7 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 8 | 1734-OE2V |  |
| N/A | 1734-TOP |  |

## Platform 'CLogix\_PLCMaquina2'

### Graphics:



### Performance Data:

**Processor Checker Warnings:**

1. Warning: At least one component in the 1756 chassis is not of a like environmental type. Meaning you are mixing some combination of standard, XT, and conformal coated devices. When you mix environmental types, then the rating of the chassis goes to the least robust device.

2. Your project contains possible CIP Security hardware. Use FactoryTalk Policy Manager to configure CIP Security. FactoryTalk Policy Manager comes with FactoryTalk Services Platform V6.11 or higher software package.

**Processor Checker Info:**

1. Please Note: IAB is coded using v30 (100 nodes) EtherNet/IP node limits for it's rule checking. If you are using v29 (60 nodes), the limits are reduced. You must manually determine if you are over the limit by using Table 14 of the Rockwell Automation publication 1756-UM543E-EN-P - December 2016.

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Required |

**Backplane Power Information**

|  |  |
| --- | --- |
| Power Supply: | 1756-PA75 |
| 5V Used: | 4540 mA |
| 5V Remaining: | 8460 mA |
| 24V Used: | 556 mA |
| 24V Remaining: | 2244 mA |
| Power Used: | 36280 mW |
| Power Remaining: | 38720 mW |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Satisfied by Field Power |

**Dimension Details ( 1756-A17 )**

|  |  |
| --- | --- |
| Height | 170.94 mm (6.73 inches) |
| Width | 654.30 mm (25.76 inches) |
| Depth | 145.03 mm (5.71 inches) |

### Layout Information:

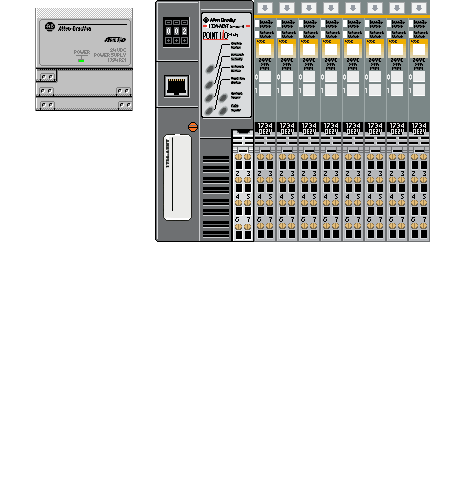
|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 1756-A17 | not connected |
| N/A | 1756-PA75 | not connected |
| 0 | 1756-IB32 |  |
| 0.1 | 1756-TBCH |  |
| 1 | 1756-IB32 |  |
| 1.1 | 1756-TBCH |  |
| 2 | 1756-IB32 |  |
| 2.1 | 1756-TBCH |  |
| 3 | 1756-IB32 |  |
| 3.1 | 1756-TBCH |  |
| 4 | 1756-IB32 |  |
| 4.1 | 1756-TBCH |  |
| 5 | 1756-IB32 |  |
| 5.1 | 1756-TBCH |  |
| 6 | 1756-IB32 |  |
| 6.1 | 1756-TBCH |  |
| 7 | 1756-OB32K |  |
| 7.1 | 1756-TBCH |  |
| 8 | 1756-OB32 |  |
| 8.1 | 1756-TBCH |  |
| 9 | 1756-IF16 |  |
| 9.1 | 1756-TBCH |  |
| 10 | 1756-IF16 |  |
| 10.1 | 1756-TBCH |  |
| 11 | 1756-IF16 |  |
| 11.1 | 1756-TBCH |  |
| 12 | 1756-IF16 |  |
| 12.1 | 1756-TBCH |  |
| 13 | 1756-IF16 |  |
| 13.1 | 1756-TBCH |  |
| 14 | 1756-OF8 |  |
| 14.1 | 1756-TBNH |  |
| 15 | 1756-EN2T | not connected |
| 16 | 1756-L81E | not connected |

#### Product Dimension Units are in mm (Inches)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Slot # | Catalog # | Height | Width | Depth |
| N/A | 1756-A17 | 170.94(6.73) | 654.30(25.76) | 145.03(5.71) |
| N/A | 1756-PA75 | 145.00(5.71) | 112.00(4.41) | 140.00(5.51) |
| 0 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 1 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 2 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 3 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 4 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 5 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 6 | 1756-IB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 7 | 1756-OB32K | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 8 | 1756-OB32 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 9 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 10 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 11 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 12 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 13 | 1756-IF16 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 14 | 1756-OF8 | 144.50(5.69) | 34.60(1.36) | 143.80(5.66) |
| 15 | 1756-EN2T | 144.50(5.69) | 34.62(1.36) | 143.76(5.66) |
| 16 | 1756-L81E | 145.80(5.74) | 34.60(1.36) | 137.80(5.43) |

## Platform 'Extension\_Maquina2'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Satisfied by Chassis Configuration |
| Power Supply: | 1794-PS13 |
| Power Used: | 4500 mW |
| Power Remaining: | 26700 mW |

**Backplane Power Information**

|  |  |
| --- | --- |
| Bank 1 |  |
| 1734-AENT |  |
| 5V Used: | 600 mA |
| 5V Remaining: | 400 mA |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 1794-PS13 |  |
| 0 | 1734-AENT | not connected  not connected |
| 1 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 2 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 3 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 4 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 5 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 6 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 7 | 1734-OE2V |  |
| N/A | 1734-TOP |  |
| 8 | 1734-OE2V |  |
| N/A | 1734-TOP |  |

## Platform 'Pantalla\_Higienico1'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Satisfied by Control Power |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2711R-T7T |  |

## Platform 'Pantalla\_Higienico2'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Satisfied by Control Power |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2711R-T7T |  |

## Platform 'CompactLogix\_Higienico1'

### Graphics:



### Performance Data:

**Processor Checker Errors:**

1. Out of Total Power on bank 1: 2045mA used on 5V backplane (2000mA max). Please use a larger power supply or remove modules.

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Required |

**Backplane Power Information**

|  |  |
| --- | --- |
| Bank 1 |  |
| Power Supply: | 1769-PA2 |
| Left Side |  |
| 5V Used: | 660 mA |
| 5V Remaining: | -45 mA |
| 24V Used: | 90 mA |
| 24V Remaining: | 0 mA |
| Right Side |  |
| 5V Used: | 1385 mA |
| 5V Remaining: | -45 mA |
| 24V Used: | 710 mA |
| 24V Remaining: | 0 mA |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Satisfied by Field Power |

**Dimension Details**

|  |  |
| --- | --- |
| Dimension Details ( Chassis - Bank #1 ) |  |
| Height | 131.70 mm (5.19 inches) |
| Width | 472.00 mm (18.58 inches) |
| Depth | 105.00 mm (4.13 inches) |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 1769-ECR |  |
| 0 | 1769-L30ER | not connected |
| N/A | 1769-PA2 |  |
| 1 | 1769-OF8C |  |
| 2 | 1769-OF8C |  |
| 3 | 1769-OF8C |  |
| 4 | 1769-OF8C |  |
| 5 | 1769-OB8 |  |
| 6 | 1769-OB32 |  |
| 7 | 1769-IQ32 |  |
| 8 | 1769-IF16C |  |

#### Product Dimension Units are in mm (Inches)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Slot # | Catalog # | Height | Width | Depth |
| N/A | 1769-ECR | 118.00(4.65) | 32.00(1.26) | 85.00(3.35) |
| 0 | 1769-L30ER | 118.00(4.65) | 55.00(2.17) | 105.00(4.13) |
| N/A | 1769-PA2 | 131.70(5.19) | 70.00(2.76) | 87.00(3.43) |
| 1 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 2 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 3 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 4 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 5 | 1769-OB8 | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 6 | 1769-OB32 | 118.00(4.65) | 52.50(2.07) | 87.00(3.43) |
| 7 | 1769-IQ32 | 118.00(4.65) | 52.50(2.07) | 87.00(3.43) |
| 8 | 1769-IF16C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |

## Platform 'CompactLogix\_Higienico2'

### Graphics:



### Performance Data:

**Processor Checker Errors:**

1. Out of Total Power on bank 1: 2045mA used on 5V backplane (2000mA max). Please use a larger power supply or remove modules.

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Required |

**Backplane Power Information**

|  |  |
| --- | --- |
| Bank 1 |  |
| Power Supply: | 1769-PA2 |
| Left Side |  |
| 5V Used: | 660 mA |
| 5V Remaining: | -45 mA |
| 24V Used: | 90 mA |
| 24V Remaining: | 0 mA |
| Right Side |  |
| 5V Used: | 1385 mA |
| 5V Remaining: | -45 mA |
| 24V Used: | 710 mA |
| 24V Remaining: | 0 mA |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Satisfied by Field Power |

**Dimension Details**

|  |  |
| --- | --- |
| Dimension Details ( Chassis - Bank #1 ) |  |
| Height | 131.70 mm (5.19 inches) |
| Width | 472.00 mm (18.58 inches) |
| Depth | 105.00 mm (4.13 inches) |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 1769-ECR |  |
| 0 | 1769-L30ER | not connected |
| N/A | 1769-PA2 |  |
| 1 | 1769-OF8C |  |
| 2 | 1769-OF8C |  |
| 3 | 1769-OF8C |  |
| 4 | 1769-OF8C |  |
| 5 | 1769-OB8 |  |
| 6 | 1769-OB32 |  |
| 7 | 1769-IQ32 |  |
| 8 | 1769-IF16C |  |

#### Product Dimension Units are in mm (Inches)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Slot # | Catalog # | Height | Width | Depth |
| N/A | 1769-ECR | 118.00(4.65) | 32.00(1.26) | 85.00(3.35) |
| 0 | 1769-L30ER | 118.00(4.65) | 55.00(2.17) | 105.00(4.13) |
| N/A | 1769-PA2 | 131.70(5.19) | 70.00(2.76) | 87.00(3.43) |
| 1 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 2 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 3 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 4 | 1769-OF8C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 5 | 1769-OB8 | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |
| 6 | 1769-OB32 | 118.00(4.65) | 52.50(2.07) | 87.00(3.43) |
| 7 | 1769-IQ32 | 118.00(4.65) | 52.50(2.07) | 87.00(3.43) |
| 8 | 1769-IF16C | 118.00(4.65) | 35.00(1.38) | 87.00(3.43) |

## Platform 'CompactLogix\_Diverter'

### Graphics:



### Performance Data:

**Processor Checker Errors:**

1. Your project contains an empty slot(s) in 5069 Chassis. This I/O family doesn’t support empty slots as it is a snap together non-chassis system. Please remove the empty slot(s).

**Processor Checker Info:**

1. Please Note: This controller is coded using v31 (180 nodes) EtherNet/IP node limits for its IAB rule checking. If using a different version, then you must manually determine if you are over the limit by using 5069-TD002-EN-P.

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Satisfied by Control Power |

**Backplane Power Information**

|  |  |
| --- | --- |
| 5069-L3100ERM (DLR Mode) |  |
| MOD Power Used: | 1515 mA |
| MOD Power Remaining: | 8485 mA |
| SA Power Used: | 490 mA |
| SA Power Remaining: | 9510 mA |
| 5069-FPD |  |
| SA Power Used: | 2600 mA |
| SA Power Remaining: | 7400 mA |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Satisfied by Field Power |

**Project Completeness Checker Information**

|  |  |
| --- | --- |
| Project Checker Status: | Errors and Warnings Detected. See Project Completeness Checker for additional details. |

**Dimension Details ( 5069 Chassis )**

|  |  |
| --- | --- |
| Height | 144.57 mm (5.69 inches) |
| Width | 604.00 mm (23.78 inches) |
| Depth | 137.00 mm (5.39 inches) |
| NOTE: | \*\*Empty Slots are not included\*\* |

### Layout Information:

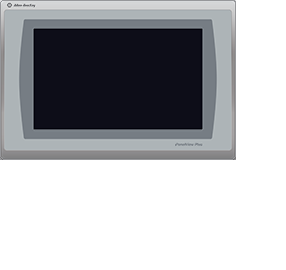
|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| 0 | 5069-L3100ERM | not connected |
| 0.1 | 5069-ECR | not connected |
| N/A | 5069-RTB64-SCREW |  |
| 1 | 5069-IA16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 2 | 5069-IA16 |  |
| N/A | 5069-RTB18-SCREW |  |
| N/A | 5069-FPD | not connected |
| N/A | 5069-RTB6-SCREW |  |
| 3 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 4 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 5 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 6 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 7 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 8 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 9 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 10 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 11 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 12 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 13 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 14 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 15 | 5069-IB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 16 | 5069-OB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 17 | 5069-OB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 18 | 5069-OB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 19 | 5069-OB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 20 | 5069-OB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 21 | 5069-OB16 |  |
| N/A | 5069-RTB18-SCREW |  |
| 22 | 5069-OB16 |  |
| N/A | 5069-RTB18-SCREW |  |

#### Product Dimension Units are in mm (Inches)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Slot # | Catalog # | Height | Width | Depth |
| 0 | 5069-L3100ERM | NA | NA | NA |
| 1 | 5069-IA16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 2 | 5069-IA16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| N/A | 5069-FPD | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 3 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 4 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 5 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 6 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 7 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 8 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 9 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 10 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 11 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 12 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 13 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 14 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 15 | 5069-IB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 16 | 5069-OB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 17 | 5069-OB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 18 | 5069-OB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 19 | 5069-OB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 20 | 5069-OB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 21 | 5069-OB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |
| 22 | 5069-OB16 | 144.57(5.69) | 22.00(0.87) | 105.42(4.15) |

## Platform 'Pantalla\_Diverter'

### Graphics:



### Performance Data:

**Control Power Information**

|  |  |
| --- | --- |
| Control Power Status: | Not Required |

**Field Power Information**

|  |  |
| --- | --- |
| Field Power Status: | Not Supported |

### Layout Information:

|  |  |  |
| --- | --- | --- |
| Slot # | Catalog # | Additional Information |
| N/A | 2711P-T9W22A9P |  |

# Communication Details

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Controllers | | | | | | | | |
|  |  |  |  |  |  |  |  |  |
| Communication Modules | | | | | | | | |
|  |  |  |  |  |  |  |  |  |
| Adapters | | | | | | | | |
|  |  |  |  |  |  |  |  |  |
| Networks | | | | | | | | |
|  |  |  |  |  |  |  |  |  |
| Compresora | | | | | | | | |
|  |  |  |  |  |  |  |  |  |
| Highest Ethernet Media Utilization: | | 0.0% |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

# Appendix: