

NIAGARA SUMMIT 2026

SEAMLESS CONNECTIVITY,
POWERFUL INTELLIGENCE

NS²⁶
BUSINESS

TRIDIUM

• 1:00PM – 1:50PM | WEDNESDAY

POWERED BY NIAGARA: A DEEP DIVE INTO THE LATEST PLATFORMS AND CAPABILITIES



TRIDIUM

niagara

PORTABILITY

powered by

niagara

framework®



TRIDIUM

SPEAKERS



JACQUELINE WALPOLE
SR. PRODUCT MGR



DAVID WITHERSPOON
HONEYWELL



ROBERT HIRSH
LYNXSPRING



TINO ZANDER
PHOENIX CONTACT



PAWEL SZARMANSKI
iSMA CONTROLLI



BRAD GREEN
KMC CONTROLS

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David Witherspoon

HONEYWELL



One Niagara Experience. Any Scale. Any Application.

From unitary to plant — same tools, same workflows, same training investment



Advanced with Modular IO and HMI



Essential 28 Base Controller

Deploy only what you need with modular, scalable hardware

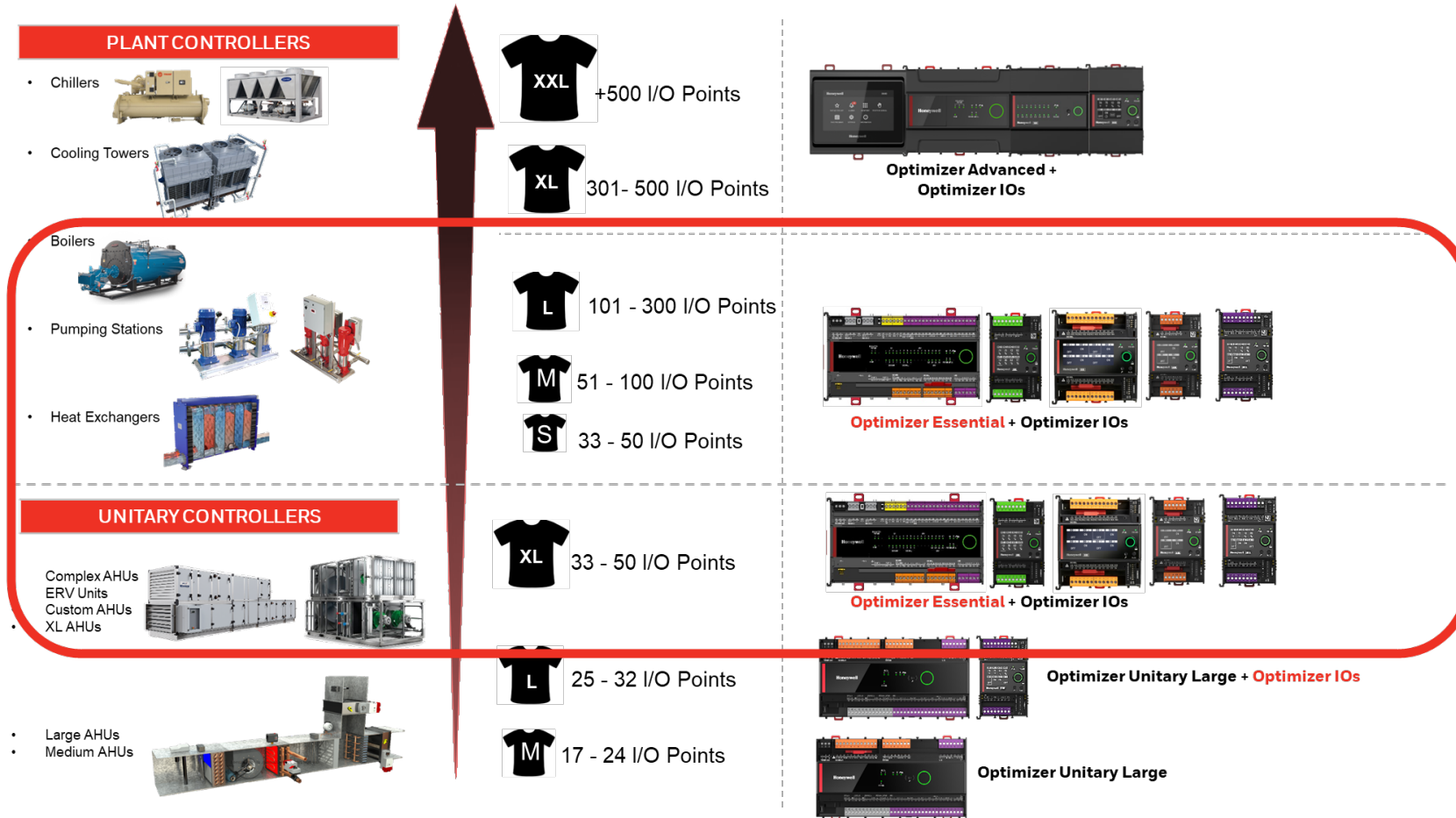
No re-training as projects grow — same Niagara programming model

Portable designs reuse logic, graphics, and libraries

PROTECTS INTEGRATOR ENGINEERING INVESTMENT

Right-Sized Control Across the Entire Building Stack

No gaps. No forced upgrades. No product dead ends.



One Niagara environment from unitary through plant

Consistent coverage from small to large I/O

Designed for repeatable integrator revenue

Where most projects live

Robert Hirsch

LYNXSPRING



Robert Hirsch – Sr. VP Lynxspring, Inc



JENESYS

edge



JENEsys EDGE by Lynxspring



- JENEsys EDGE Started in 2015
- Eight EDGE Models
- Made in the U.S.A

JENEsys EDGE by Lynxspring

Onyxx



Latest: JENEsys EDGE 634



- Niagara N4 with Open NiCS
- Secure Linux OS
- 32 GB eMMC NAND Flash Storage
- 2 GB DDR4 RAM Memory
- 1.7 GHz i.MX 93 Dual ARM Cortex A55 cores
- Standard Niagara 4 Drivers: Niagara 4 Network, Fox S, BACnet, Modbus, Web & oBIX
- Existing Niagara 4 stations can be added
- Ideal for equipment control/monitoring applications and Network Area Management (NAM)
- AI-Ready with Ethos-U65 Neural Processing Unit
- Edge to Enterprise—E2E-Ready
- **Ready for N5**

Thank You



LYNXSPRING®



Edge to Enterprise



JENESYS®

ONYXX®

niagara⁴

HELIXX®

Tino Zander

PHOENIX CONTACT



Tino Zander

Head of **International Business Development**
Global Industry Management **Building Technologies**



LinkedIn



Powered by Niagara represents a platform that has continuously redefined openness and scalability in building automation.

Phoenix Contact has been a Niagara OEM Partner for more than 10 years



- Leveraging the Niagara Portability SDK
- Industrial-grade controllers
- Alternative to the JACE

PHOENIX CONTACT

- ILC 2050 BI (-L)
- ILC 2250 BI (-L)
- Catan C1 EN
- Niagara Add-Ons



ILC 2050 BI (-L)

Hardware Platform that combines Niagara with PLC, IO and industrial automation capabilities.

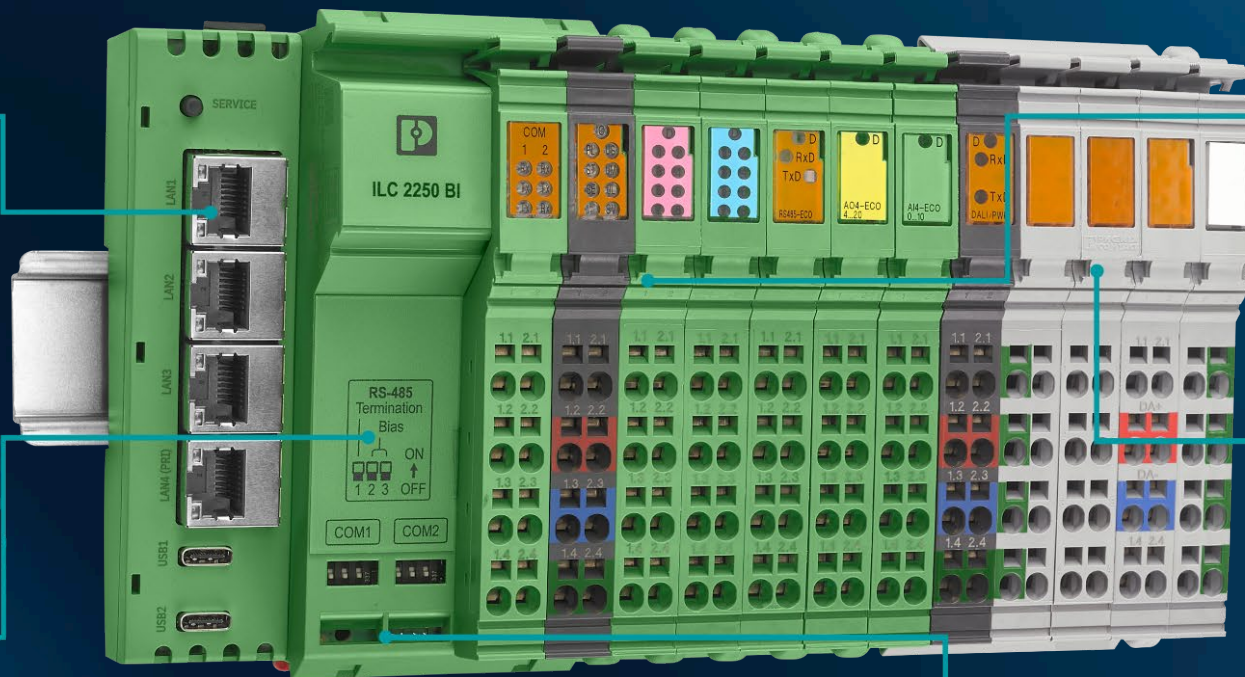


- Strong in robustness
- Lifecycle stability
- Integrations depth

ILC 2250 BI (-L)



Integration into the Ethernet network



Extensive I/O expansion



Light control with DALI



RS-485 interfaces



LON-ready for retrofit

Catan C1 EN



C2CCERTIFIED.ORG



RS-485 interfaces



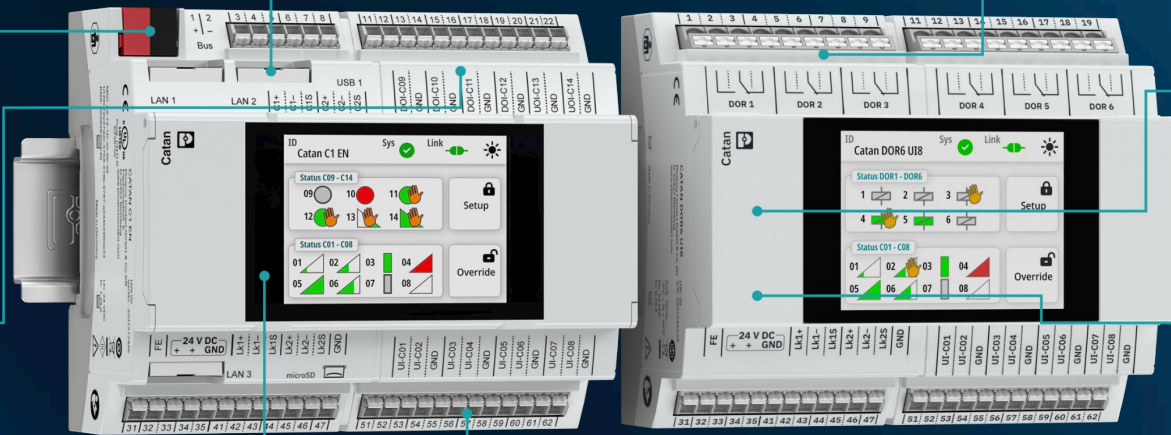
Integration of KNX infrastructure



Integration into the Ethernet network



User-friendly handling



Multifunctional I/O channels



Audio support for service processes

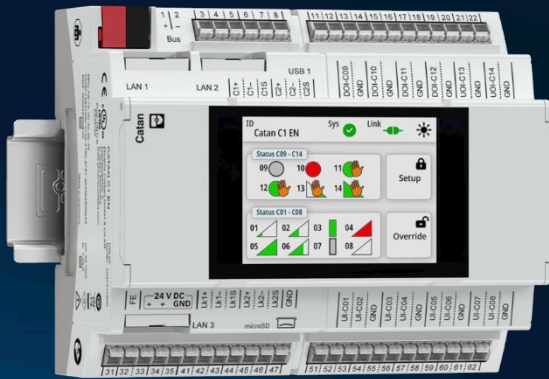


Light control with DALI

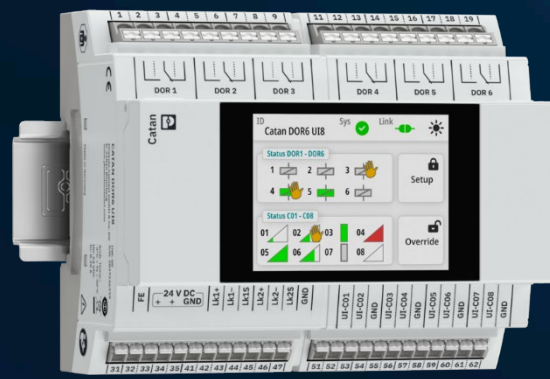


Safely expandable with SPE

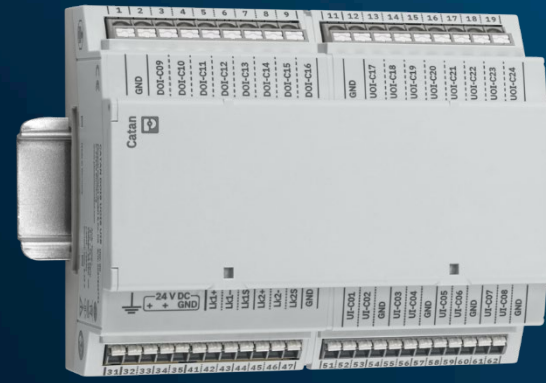
Catan C1 EN



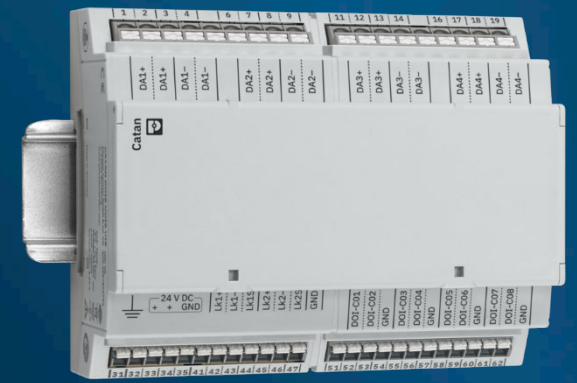
Catan C1 EN



Catan DOR6 UI8



Catan DOI8 UOI8 UI8

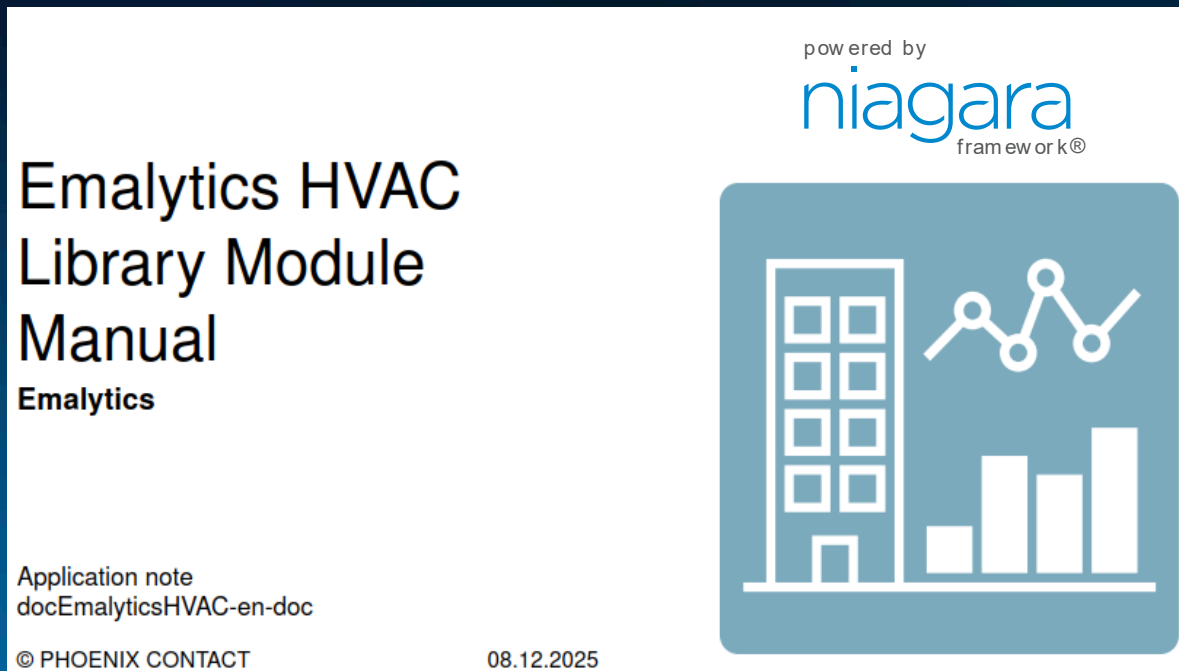


Catan DALI MM4 DOI8

(available soon)

Niagara Add-On: emalyticsHVAC

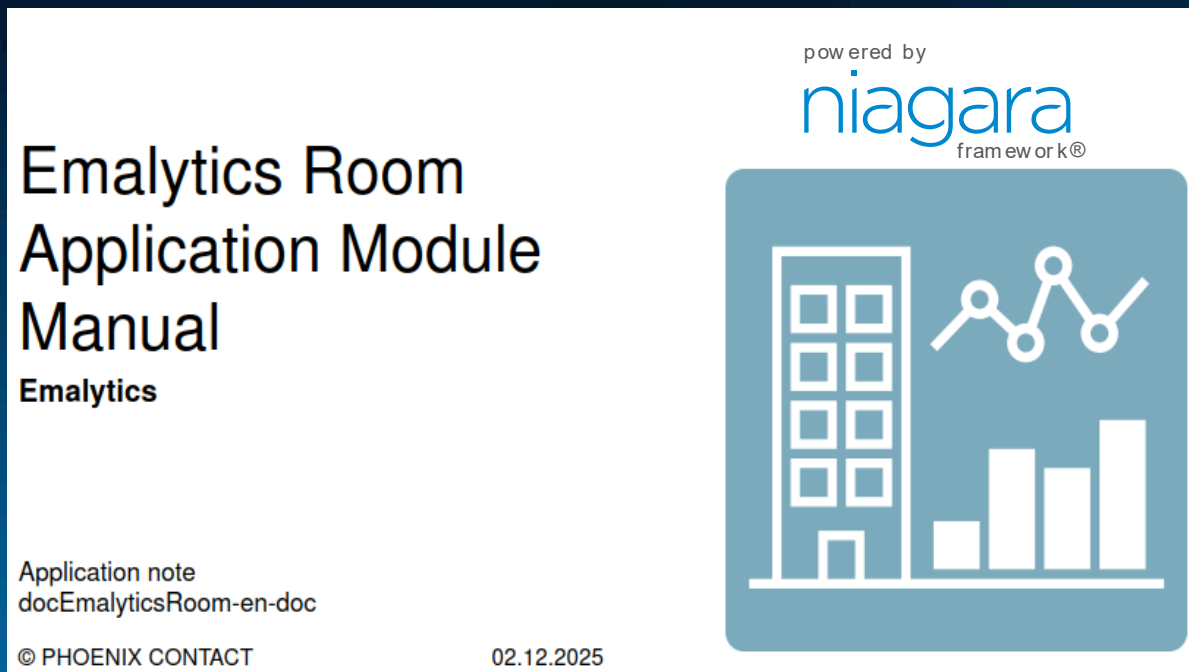
Fully integrated Niagara function library that structures, standardizes and automates the engineering process.



- Standardized HVAC function blocks
- Structured sequence logic
- Application templates incl. graphics
- Mass tools to make work easier

Niagara Add-On: emalyticsRoom

Radically different approach to classic automation:
One room = generic function blocks instead of dozens of individual moduls.



- Generic Room Controller
- Preconfigured logic instead of custom engineering
- Simple integration of external systems

Niagara Add-On: eBuilder

Niagara service
that revolutionizes the engineering workflow



- Automatic controllers and IO discovery
- Configuration of the IO channels and override options
- Building design via floor plans and room localizations
- Automation functions via drag-and-drop on the floor plan

Visit me at...

Booth 410

 April 7-9, 2026

National Harbor, MD



Tino Zander

**NIAGARA
SUMMIT
2026**

SEAMLESS CONNECTIVITY,
POWERFUL INTELLIGENCE



Paweł Szarmanski

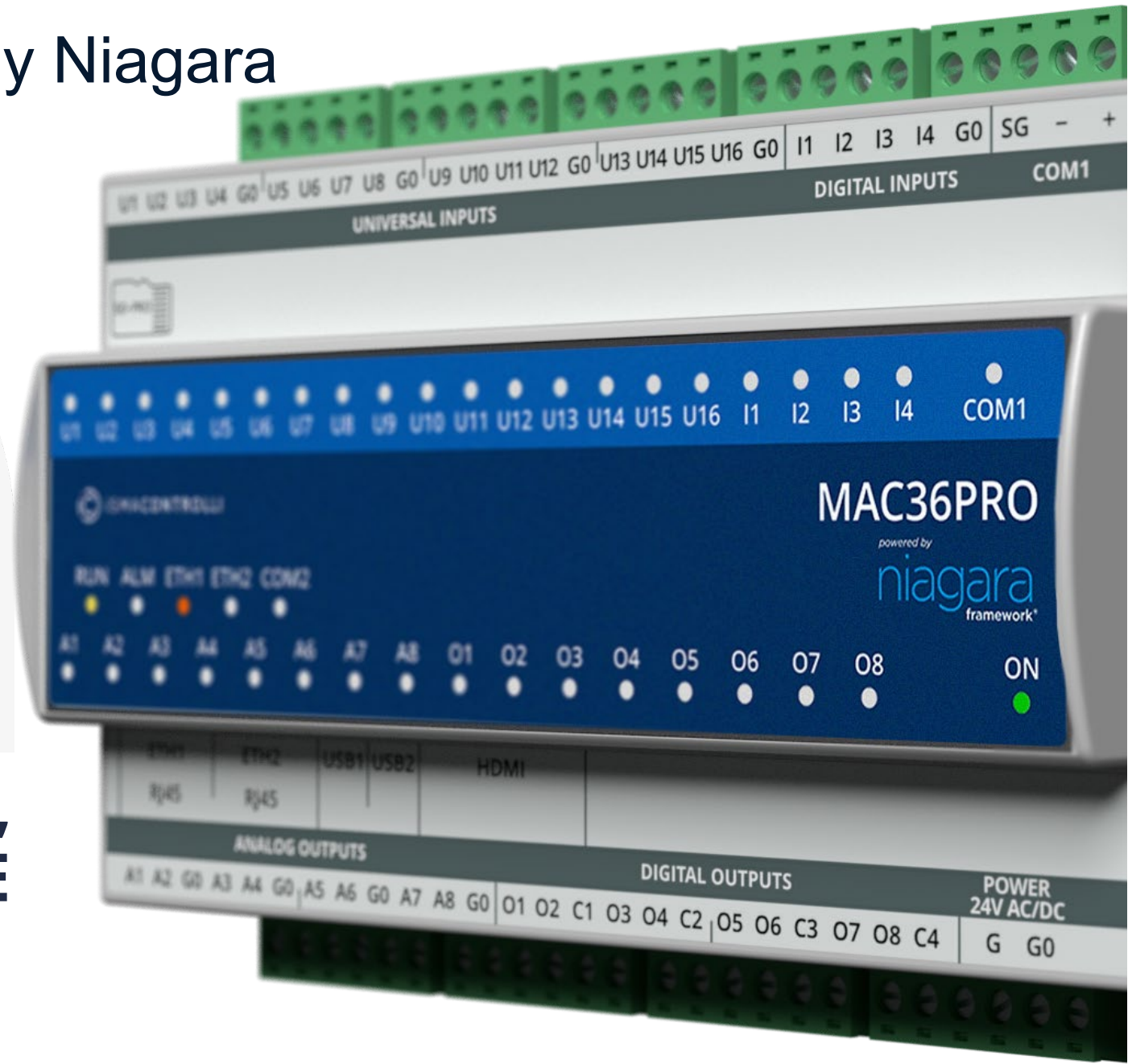
iSMA CONTROLLI



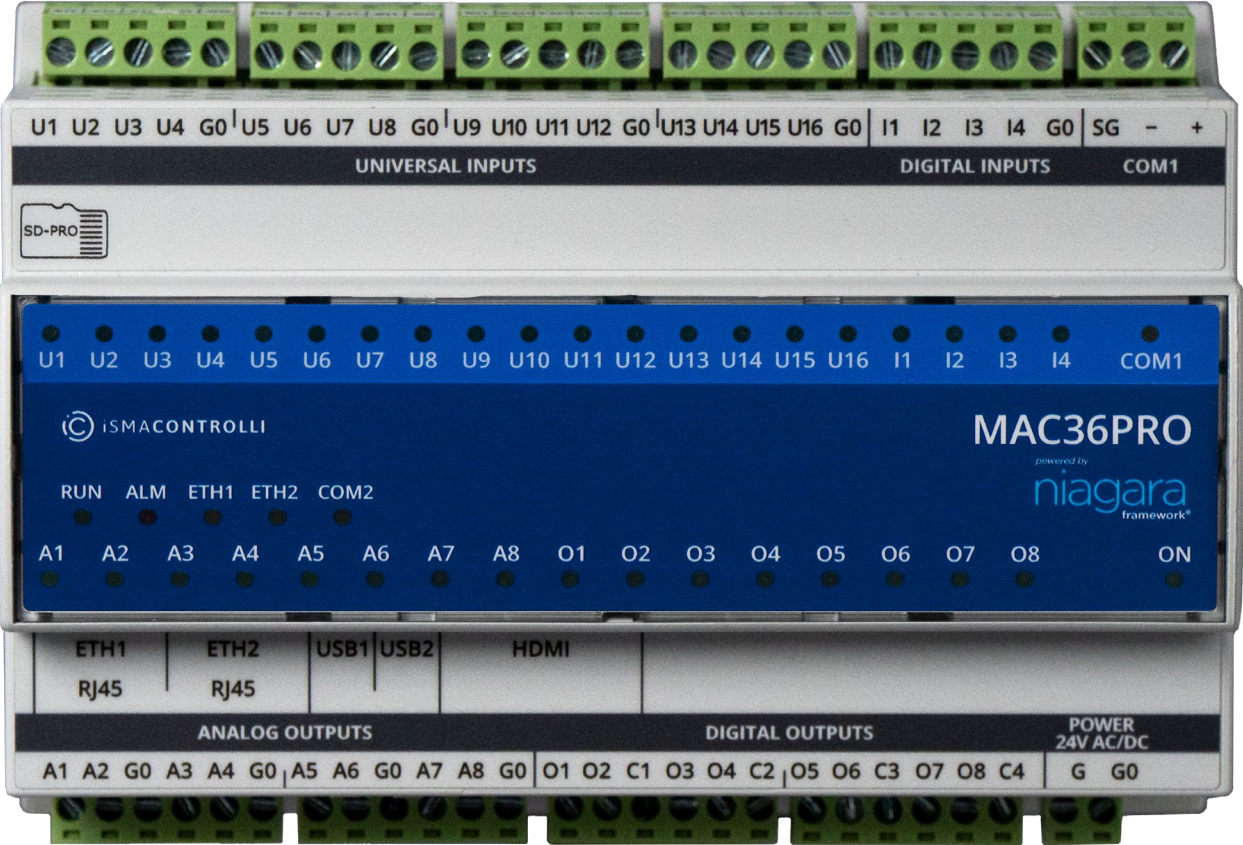
iSMA CONTROLLI: Powered by Niagara

NIAGARA SUMMIT 2026

SEAMLESS CONNECTIVITY,
POWERFUL INTELLIGENCE

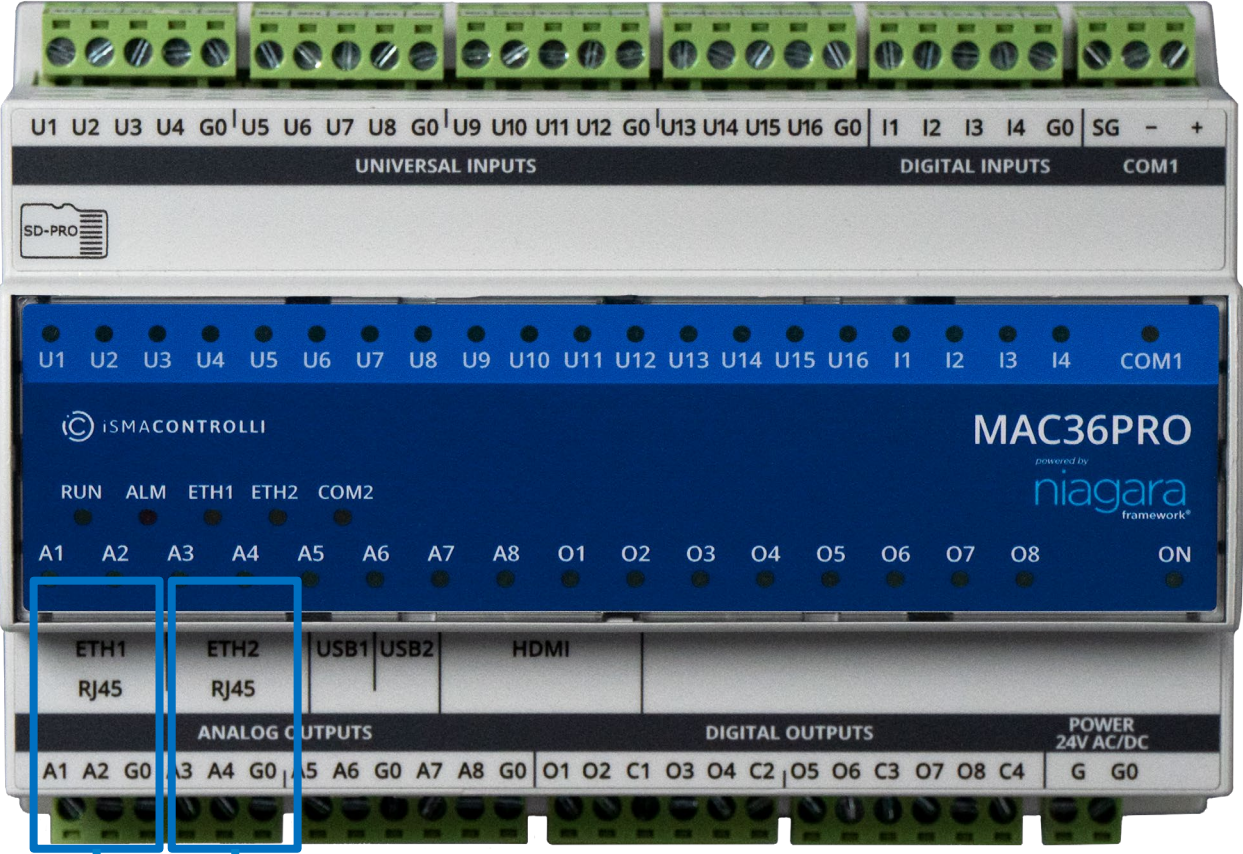


Seamless Connectivity



Seamless Connectivity

Network Segmentation ETH1/ETH2 Interfaces



IT Network

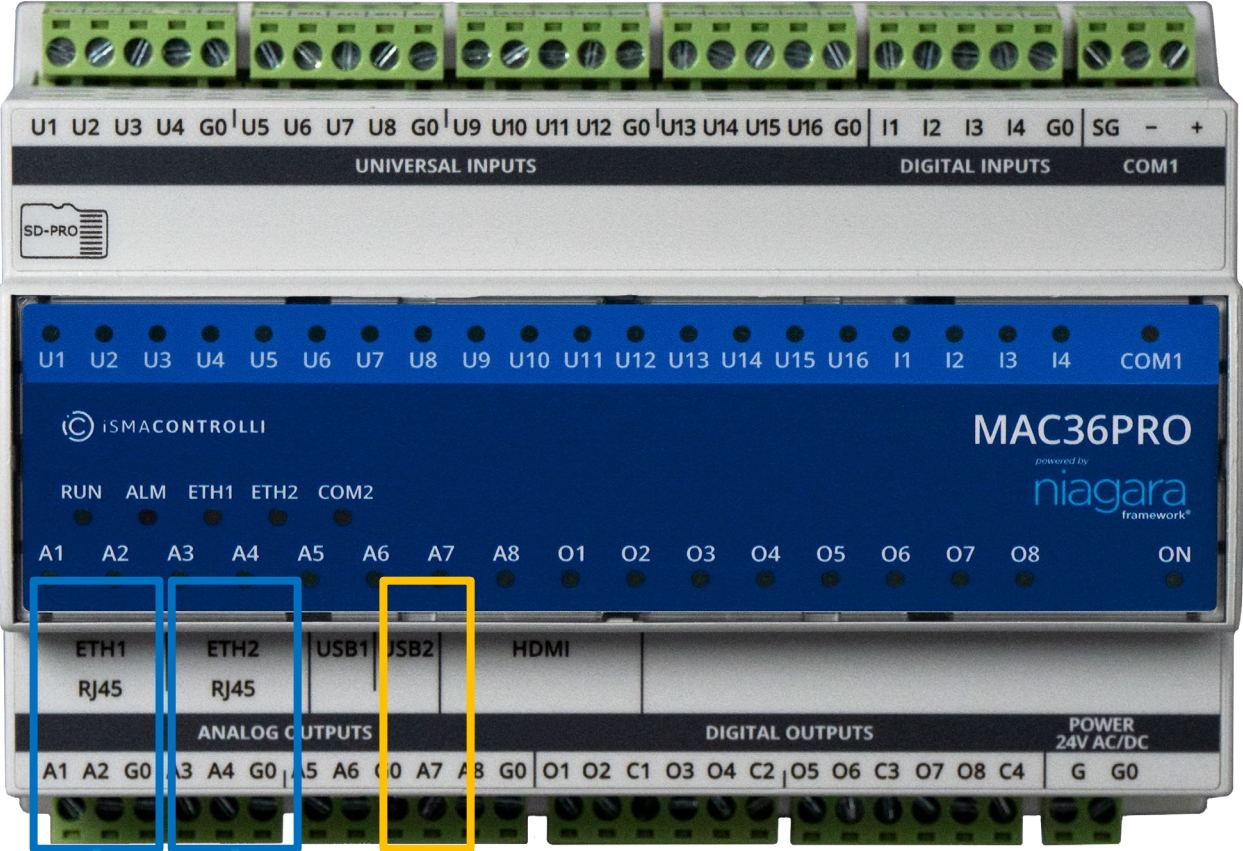
OT Network

Seamless Connectivity

Network Segmentation
ETH1/ETH2 Interfaces

Troubleshooting / Local
Access

IP Over USB2



IT Network

OT Network

USB Programming

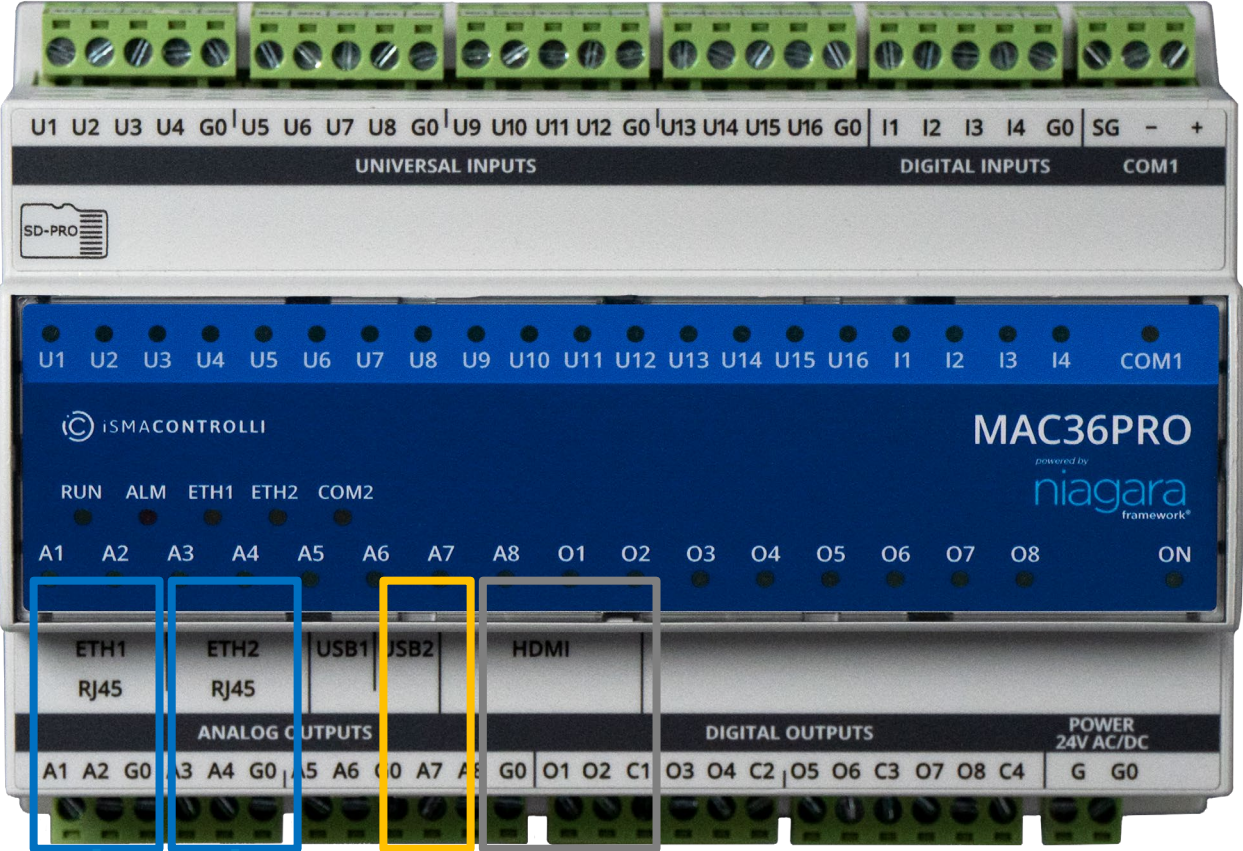
Seamless Connectivity

Network Segmentation
ETH1/ETH2 Interfaces

Troubleshooting / Local Access

IP Over USB2

Local HMI
HDMI Output



IT Network

OT Network

USB Programming

Local HMI over HDMI

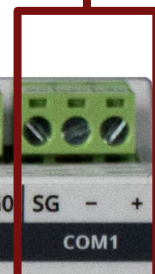
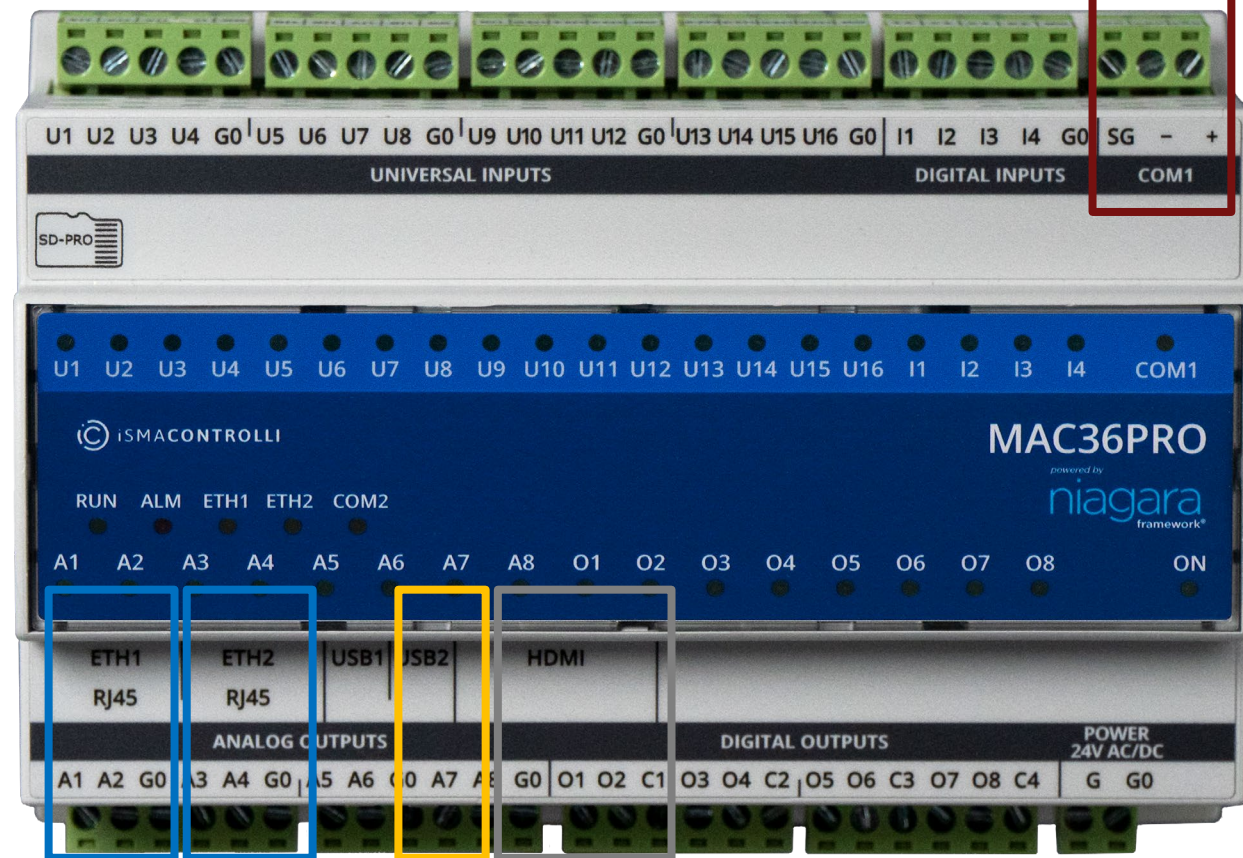
Seamless Connectivity

Network Segmentation
ETH1/ETH2 Interfaces

Troubleshooting / Local Access
IP Over USB2

Local HMI
HDMI Output

Serial Integration
Up to 2x RS485



Seamless Connectivity

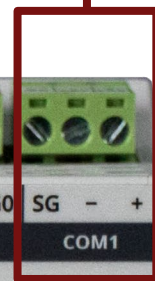
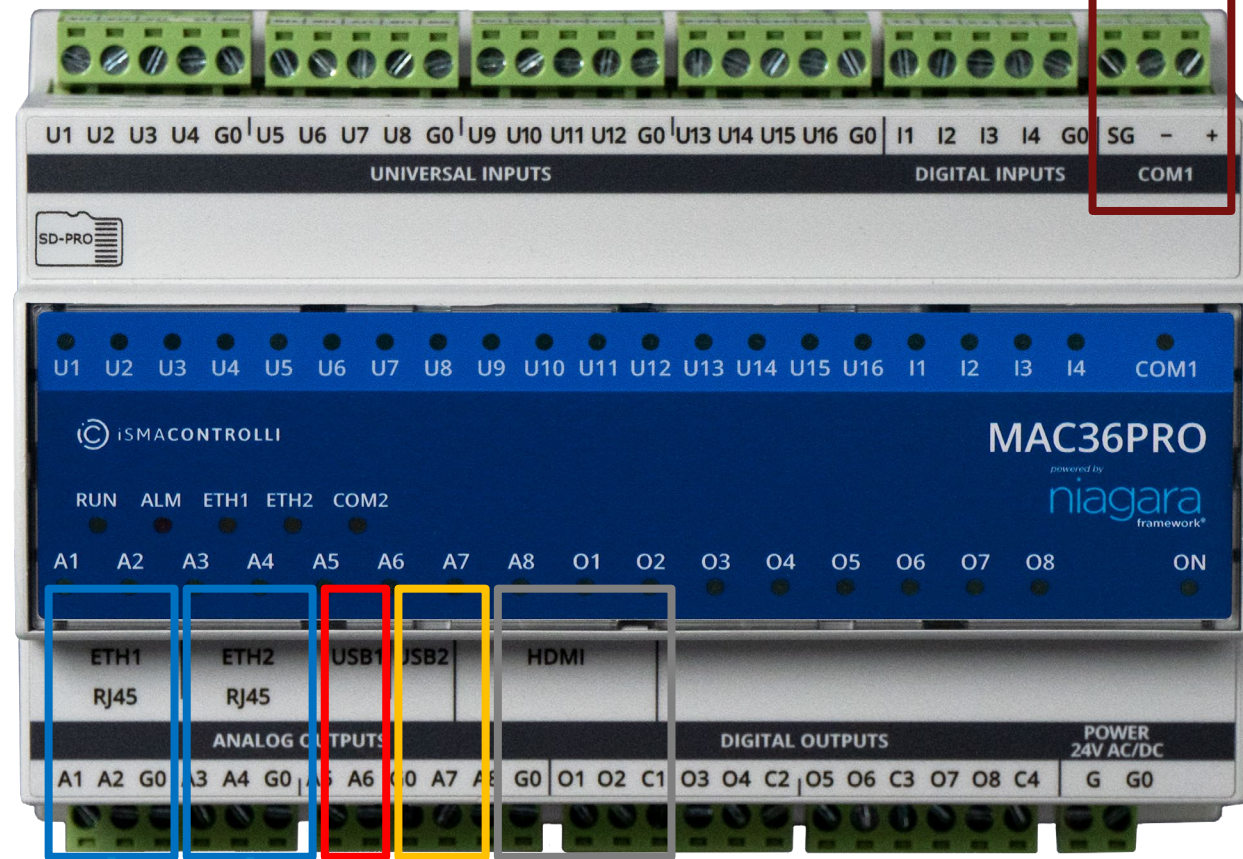
Network Segmentation
ETH1/ETH2 Interfaces

Troubleshooting / Local Access
IP Over USB2

Local HMI
HDMI Output

Serial Integration
Up to 2x RS485

Cellular Access
LTE Expansion



IT Network

OT Network

LTE/4G Connectivity

USB Programming

Local HMI over HDMI

Seamless Connectivity

Network Segmentation
ETH1/ETH2 Interfaces

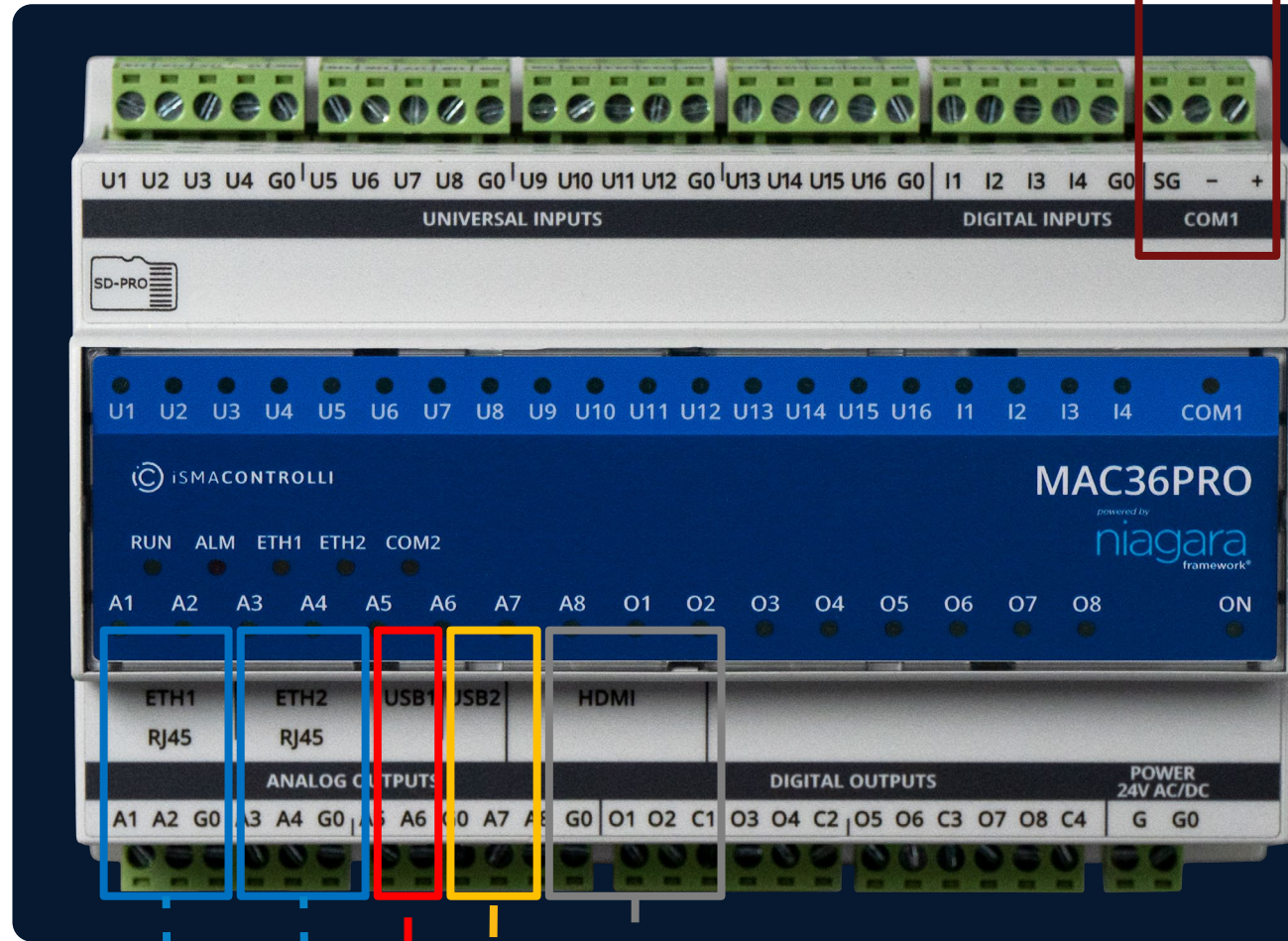
Troubleshooting / Local Access
IP Over USB2

Local HMI
HDMI Output

Serial Integration
Up to 2x RS485

Cellular Access
LTE Expansion

Secure Remote Access



IT Network

OT Network

LTE/4G Connectivity

USB Programming

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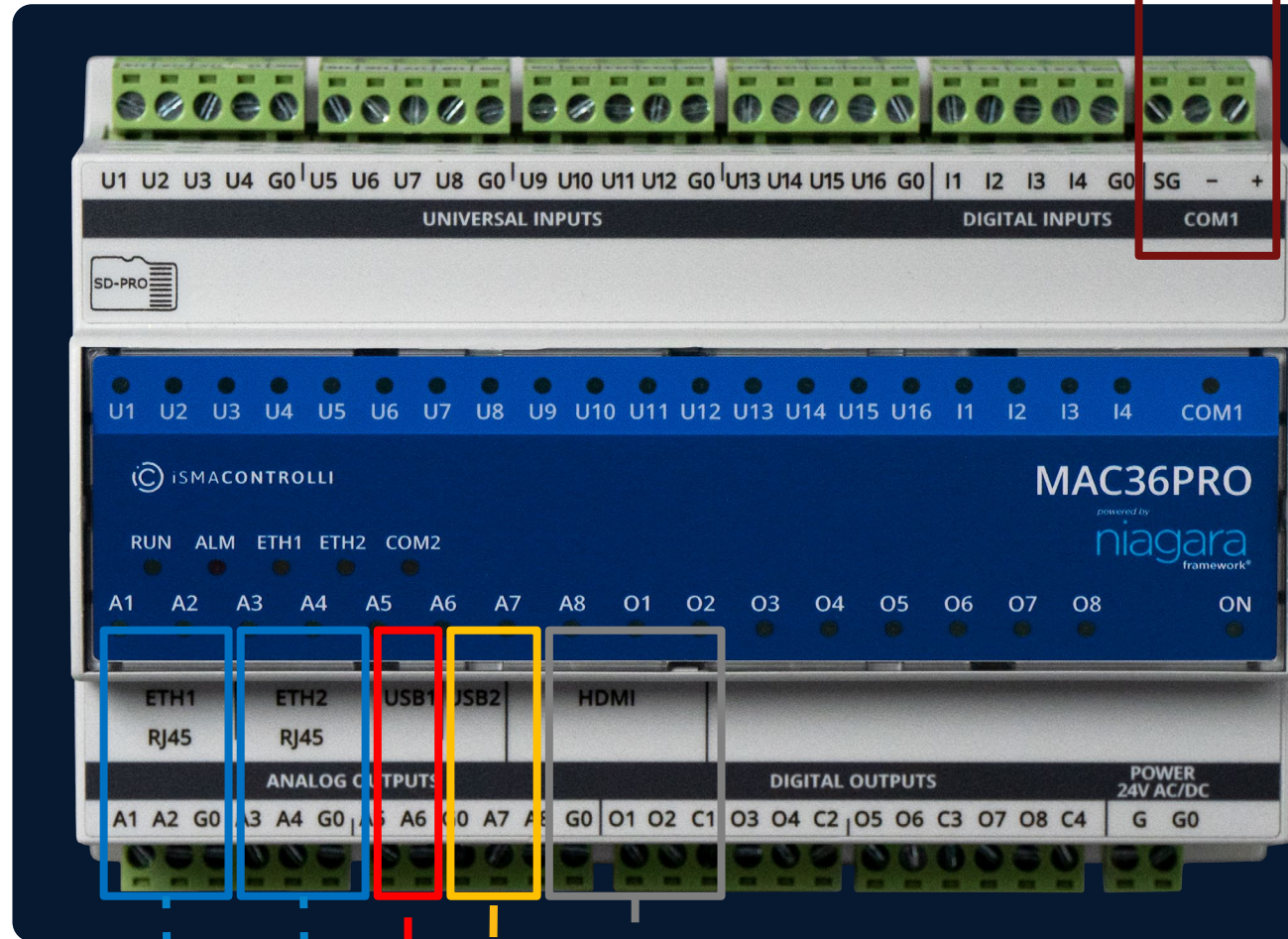
Local HMI
HDMI Output

Serial Integration
Up to 2x RS485

Cellular Access
LTE Expansion

Secure Remote Access

niagara
remote™



IT Network

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LTE/4G Connectivity

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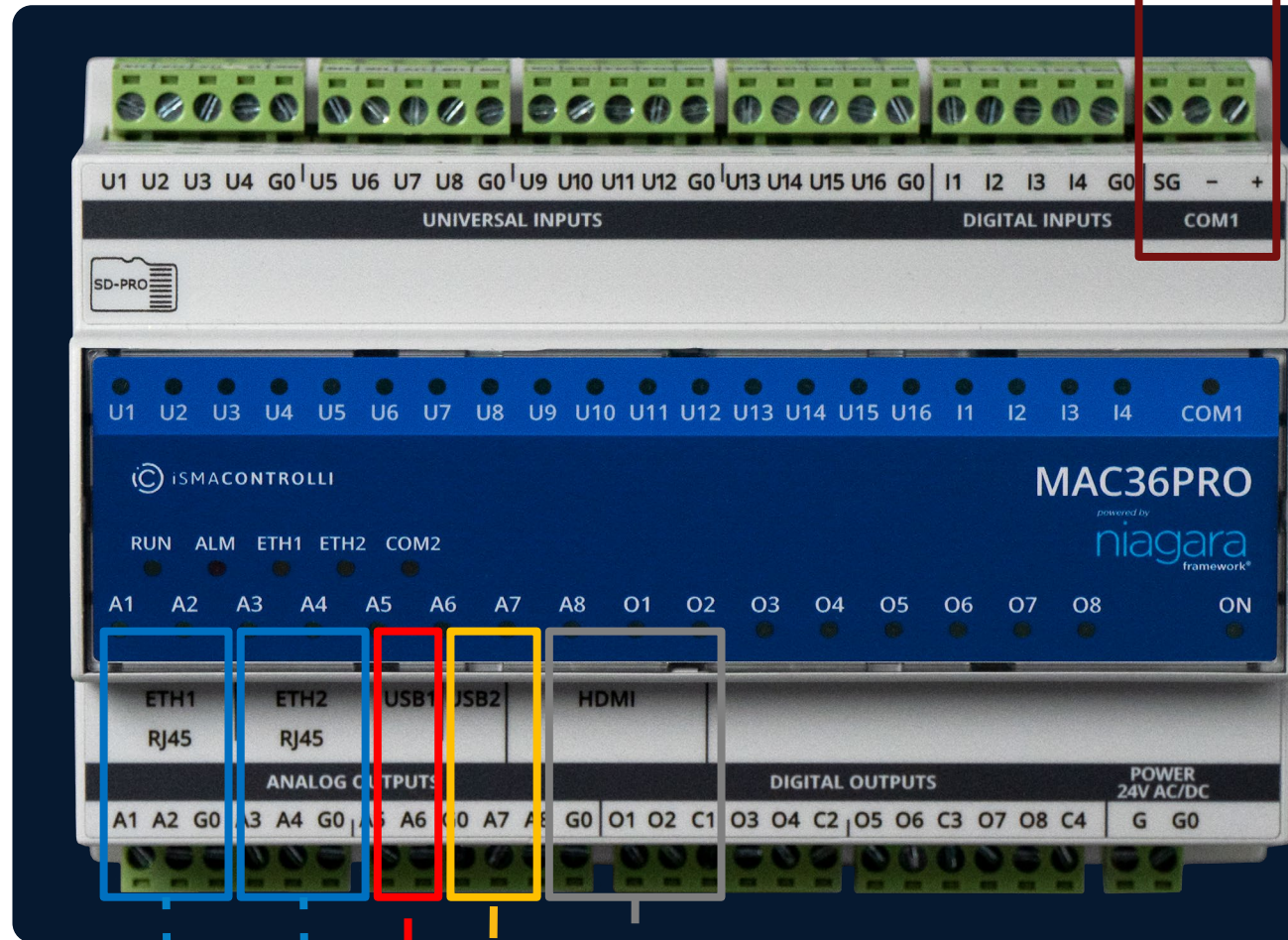
Cellular Access
LTE Expansion

Serial Networks

Secure Remote Access

niagara
remote™

WireGuard®
VPN Client



IT Network

OT Network

LTE/4G Connectivity

USB Programming

Local HMI over HDMI

Powerful Intelligence

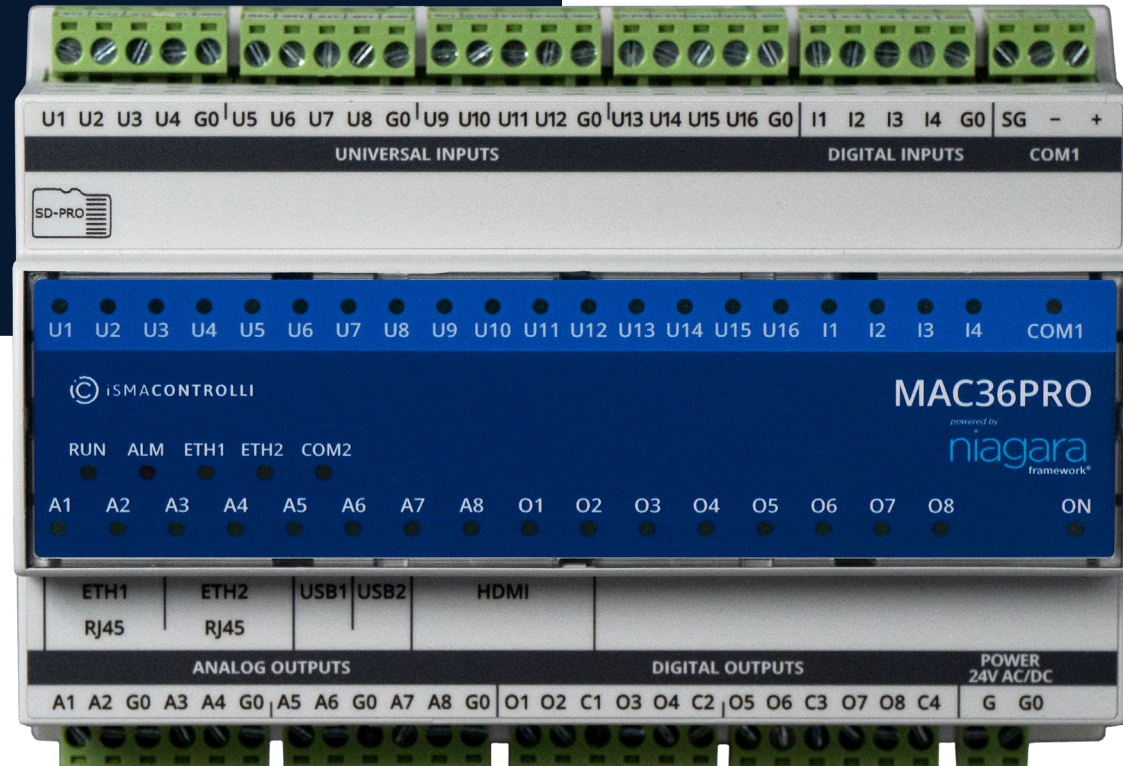
Hardware built to last

Quad-core processor

2 GB RAM

16 GB industrial-grade SD card

Tested up to 10,000 points



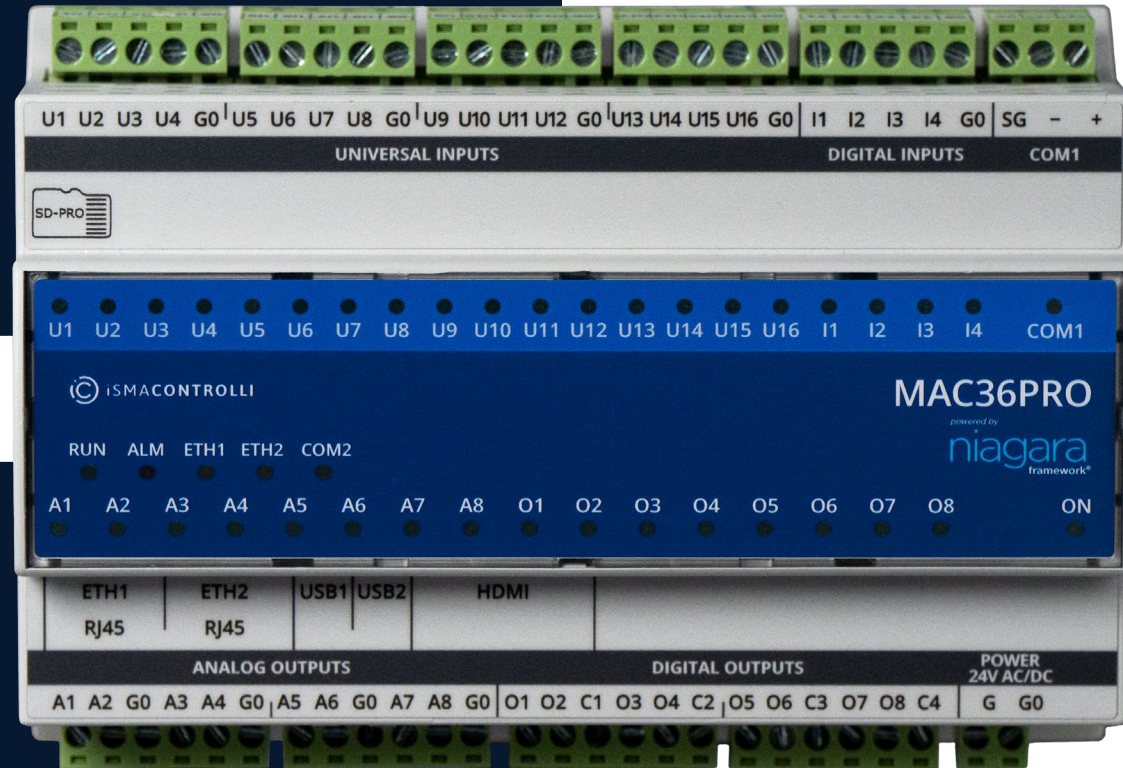
Powerful Intelligence

Hardware built to last

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Latest Niagara Support

Continuous update process
Niagara releases up to 3 months after official Tridium release
Niagara 5 hardware readiness



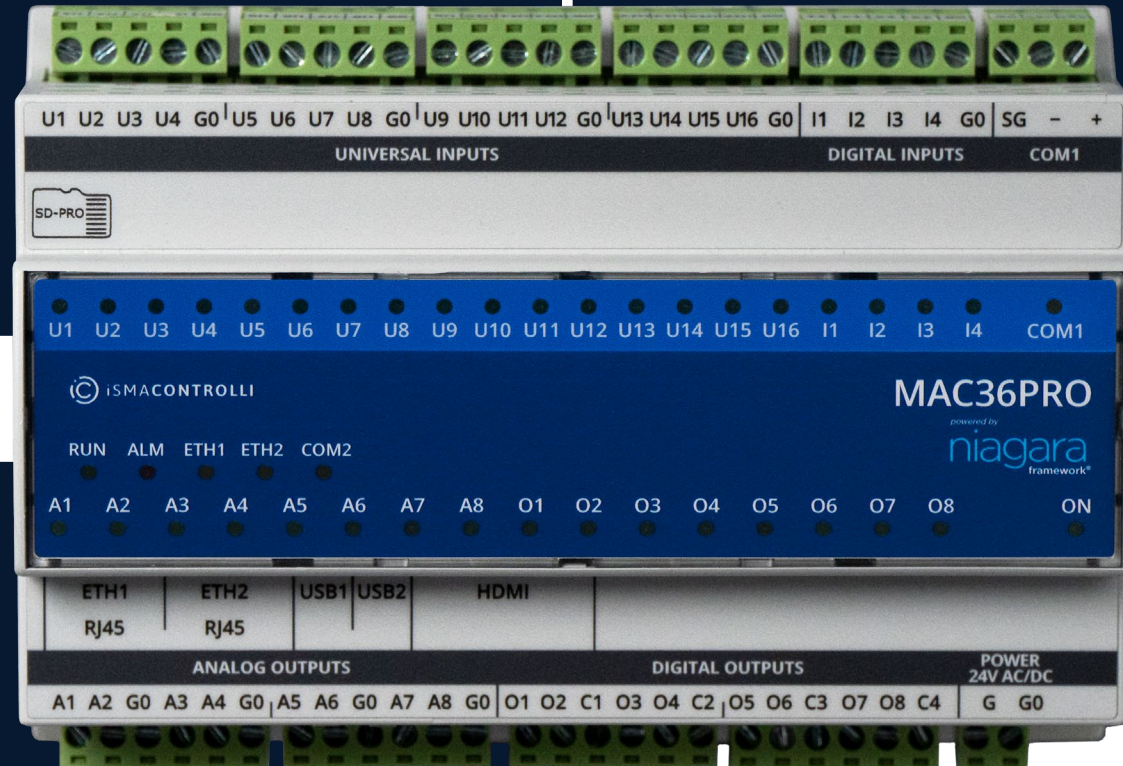
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Streamlined commissioning

Embedded Web Platform Manager for all-in-one device management

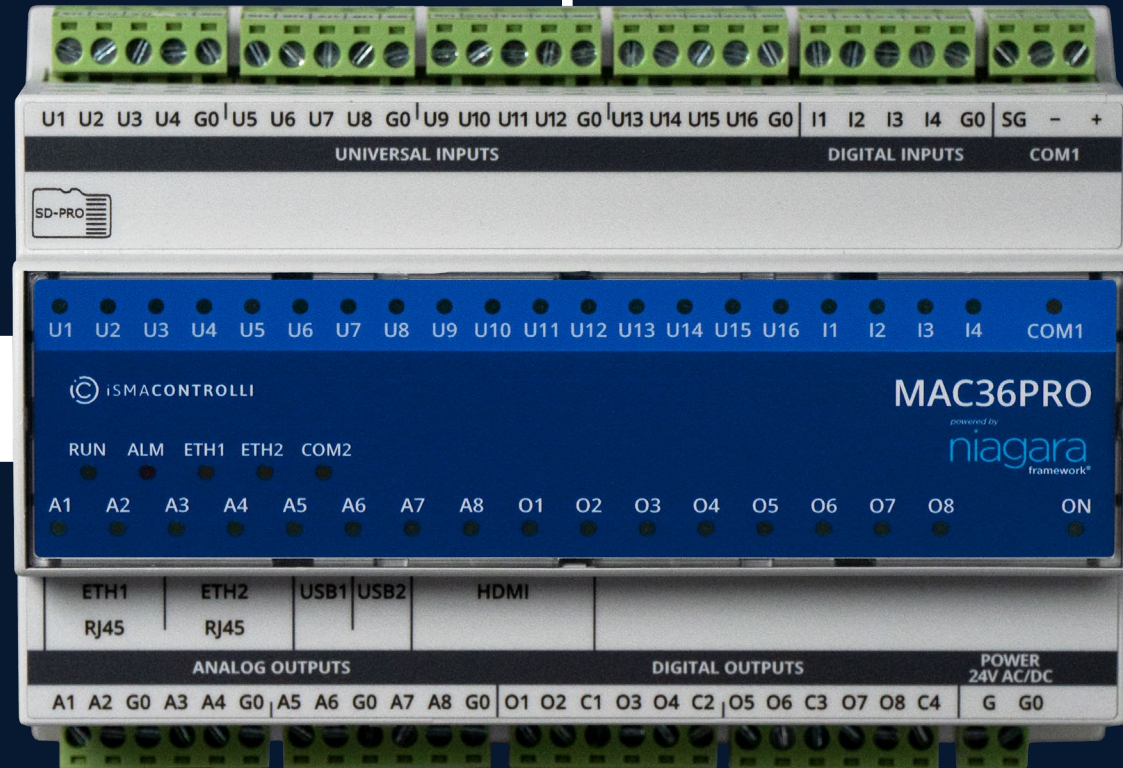
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Streamlined commissioning

Embedded Web Platform Manager for all-in-one device management

Simplified Troubleshooting

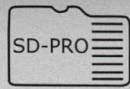
Built-in status dashboards;
Web Log Manager for both iC OS64 Linux and Niagara

U1 U2 U3 U4 G0 | U5 U6 U7 U8 G0 | U9 U10 U11 U12 G0 | U13 U14 U15 U16 G0 | I1 I2 I3 I4 G0 | SG - +

UNIVERSAL INPUTS

DIGITAL INPUTS

COM1



U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 I1 I2 I3 I4 COM1

iSMACONTROLLI

MAC36PRO-RS

powered by
niagara
framework*

RUN ALM ETH1 ETH2 COM2

A1 A2 A3 A4 A5 A6 A7 A8 O1 O2 O3 O4 O5 O6 O7 O8 ON

ETH1

ETH2

USB1

USB2

HDMI

COM2

RJ45

RJ45

+ - SG

ANALOG OUTPUTS

DIGITAL OUTPUTS

POWER
24V AC/DC

A1 A2 G0 A3 A4 G0 | A5 A6 G0 A7 A8 G0 | O1 O2 C1 O3 O4 C2 | O5 O6 C3 O7 O8 C4 | G G0

U1 U2 G0 U3

UNIVERSAL INF

G0 -

CO

U1 U2 U3

COM1

ON

iSMACONT

U5 U6 U7

PO
24V
G

UNIVERSAL INP

U5 U6 G0 U7 U

Brad Green

KMC CONTROLS



About KMC

Independent American manufacturer of open, secure, and scalable building automation solutions



Our Mission and Vision: Deliver innovative, intuitive solutions while prioritizing customer focus and creativity



KMC Fusion™

KMC Fusion is a line of native Niagara Edge controllers that parallels KMC Controls' existing line of BACnet native controllers, KMC Conquest®

- *General Purpose* *Available now*
- *Variable Air Volume*
- *Unitary*



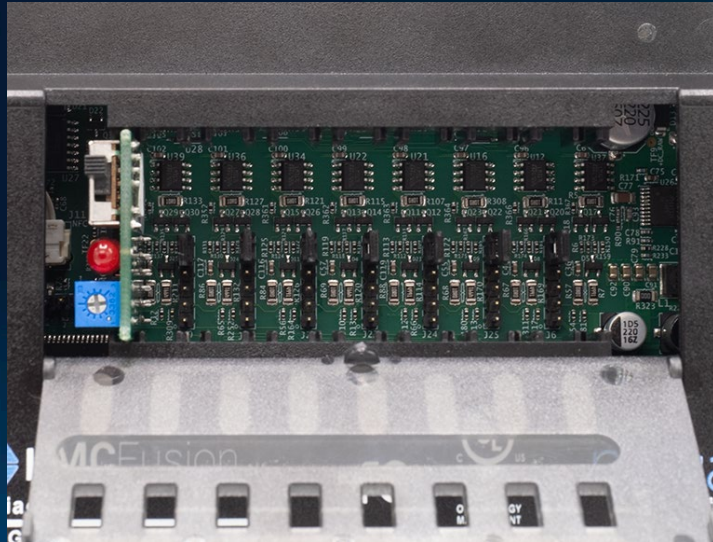
KMC Fusion General Purpose Controller



KMN-5901E (-EXP)

- Secure *Linux* operating system
 - Full disk encryption with secure boot
- NXP IMX8M+ 1.6 GHz quad-core processor
 - Powerful architecture designed to handle future *Niagara* software updates
 - 1 GB RAM
 - 8 GB Flash
- Dual network interface Ethernet ports
- *Niagara Edge*-based license
 - No SMA required
 - 1/10 *Niagara* network load on supervisor
- Device capacity options
 - 1 Device / 30 Points, *Niagara*
 - 5 Device / 100 Points, *Niagara*, BACnet

KMC Fusion



- Universal Inputs (8)
 - Analog, Binary, Pulse
 - Software selectable terminations
 - 10k (ohm)
 - 1k (ohm)
 - Voltage (Vdc)
 - Milliamp (mA)
- Universal Outputs (8)
 - Analog, Binary
 - Field selectable/software programmable output cards
 - Triac
 - Relay (N.C. or N.O.)
 - 0-10 VDC, with adjustable potentiometer
 - 4-20 mA, with adjustable potentiometer
 - Integrated Hand/Off/Auto (HOA) switches
 - HOA feedback status



HPO-6703

HPO-6701

HPO-6702

KMC Fusion



KMN-5901E (-EXP)



CAN-5901-FSN



CAN-5902-FSN

- Up to 4 addressable expansion modules
 - I/O will discover on General Purpose device
- Two options for I/O expansion modules
 - 8 Input / 8 Output
 - 16 Input
- Expansion I/O module details
 - CAN bus Communication
 - Up to 200 feet
 - DIP switch addressing
 - EOL termination switch onboard
 - Isolation bulbs

KMC Fusion



STE-9000 Series



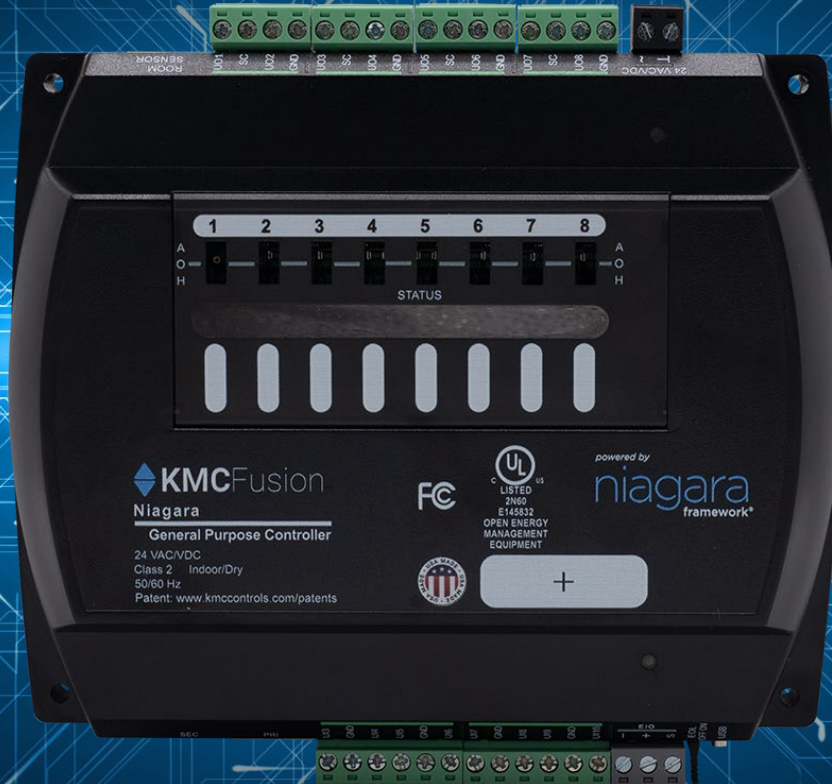
STE-6000 Series



HPO-9005

- RJ-45 connection on sensors and controller
 - Cat5 Cable up to 150 feet
- Supports STE-9000 Series
 - Temperature, Humidity, CO2, Motion
 - Available in display and non-display models
 - Feature-rich display sensor
 - Niagara object access
 - Multi-level (password protected) access
- Supports STE-6000 Series
 - Temperature, Override, Setpoint dial
 - Optional integrated LCD display
- Supports HPO-9005
 - Provides additional two (2) analog inputs
 - Fixed termination
 - 10k (ohm)

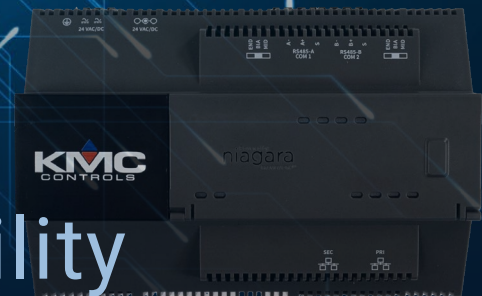
KMC Fusion™



 **KMCC**
CONTROLS



 **TRIDIUM**



Combining Power and Flexibility

THANK YOU



