CONTROL PROCESSORS

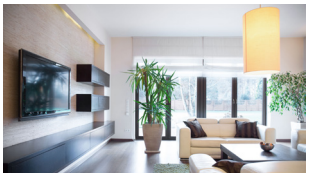
RTI-ICP-10

Intelligent Control Processors



Intelligent Control at its most capable, the ICP-10 is the top-of-the-line processor for the most challenging large-scale installations. Powerful, scalable, fast, and versatile, it runs complex drivers to comfortably control whole homes, commercial facilities, sports bars, and offices. An additional benefit is its expandability, growing through additional ICP units and a full range of accessories as projects demand.

MARKETS



RESIDENTIAL

With its strong rack-mount metal enclosure and powerful capability, the ICP-10 is an ideal solution for full home control in a residential environment. Dual Ethernet ports suit any location, and with an extensive range of drivers plus commonly used I/O such as IR, relay, RS-232, and RS-485 alongside the network, it can control almost anything.



HOSPITALITY & RETAIL

For bars, restaurants, and retail shops, simple adaptable control is key. The ICP-10 delivers that, with dual Ethernet ports that suit almost any location. All commonly used I/O, including IR, relay, RS-232, and RS-485 alongside the network, provides easy control for almost any audio or video situation.



ENTERPRISE MARKET

With its powerful capability, the ICP-10 is ideal for office environments, handling conference systems, amplification, and video switching with ease. As a bonus, its dual Ethernet ports can be split into separate networks, keeping control isolated from the secure IT network.



EDUCATION

Classrooms and education centers need scalable control that stays simple and easy to use. With its powerful capability, the ICP-10 provides a complete solution, with all commonly used I/O, including IR, relay, RS-232, and RS-485 alongside the network, giving easy control for almost any classroom situation.



HOUSES OF WORSHIP

Houses of worship often need localized control across large areas. With its powerful capability and easy scalability, the ICP-10 is an ideal solution. Commonly used I/O such as IR, relay, RS-232, and RS-485 alongside the network controls all the peripherals as audio and video needs grow.



MEDICAL

Medical applications demand reliable, robust control, and the ICP-10 delivers a consistent, high-quality platform built on RTI's proven track record. Powerful and scalable, with dual Ethernet ports and IR, relay, and RS-232 control.

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SPECIFICATIONS

PROCESSOR ENGINE	
Processor IC	NXP i.MX8MM
Cores	Quad
RAM	3GB
Flash Memory	16GB
CPU Clock Rate	1.8GHz
PORTS	
IR	8
RS232	8
Relay	8
12VDC Trigger	8
Contact Trigger	8
Sense	8
IR Input	1
RS485	2
USB-A	2
USB-C	1 x Programming port
COMMUNICATION	
Ethernet	Port 1: 10/100/1000 PoE Port 2: 10/100/1000
	Ports operate as a switch or separate NICs
Wi-Fi	No
ENVIRONMENTAL	
Operating Temperature	23 to 125°F (-5 to 51°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Operating Humidity	5-90% RH (No Condensation)
POWER	
Max Power Consumption	24W (12V 2A)
Power Supply Unit	Input: AC 100-240V~ 50/60HZ Output: DC 12V 2A
DIMENSIONS	
Mounting	Rack Mount (Brackets & Screws Included)
Dimensions (W x D x H)	mm: 431.8 x 299.7 x 43.7 in: 17.0 x 11.8 x 1.7
Weight	2.6Kg (5.5lb)
Regulatory	CE, FCC, RCM
Product Warranty	3 years

Specifications subject to change without notice. Mass & dimensions are approximate

KEY FEATURES

POWERFUL NEXT-GENERATION CONTROL:
An all-new Linux platform runs the latest complex drivers with up to 20x faster performance than the previous XP series

DUAL ETHERNET PORTS:
Use them as a single switch for one-cable power, control, and data, or as two separate NICs for isolated networks

VERSATILE MOUNTING:
A solid rack-mount metal enclosure keeps the convenience of PoE for easy power and clean installation

MULTIPLE I/O:
IR, relay, sense, RS-232, and RS-485 connect almost any AVPro or third-party device

ENDLESSLY EXPANDABLE:
Scale to the largest projects through additional ICP units and a full range of expansion accessories





