V 1.1 - 102024

InstaController ARSI-31074

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KEY FEATURES:

- **Control system :** Enterprise-class control system that controls both Digital & Analog devices

- **Secure :** Secured access through full user management

- **REST protocol :** Representational state transfer (rest) based communication protocol

- **Programmable :** API's support for programming

- **IoT compliant :** Compliant with Internet of things (IoT) architecture

- **Mounting :** One-space rack-mountable

PeopleLink Instacontroller ARSI - 31074 is a control system that integrates IP devices, including them, into a larger control network. This system can be integrated with any network, personal or commercial. This device offers secured and reliable connectivity with a wide range of IP devices, like touchscreens, computers, mobile devices, etc, whether on-premises or at remote locations. The Instacontroller android app helps in controlling systems on LAN, WAN, or Internet from any location across the globe.

Technical Specifications:

Connectors & Card Slots

Relay Switch Output : Total 10 blocks (1 to 10) on rear panel with each 2-pin 3.81 mm detachable terminal; Comprises normally open, Non-Isolated relays; Rated 6 Amp, 230 Volts AC or 110 Volts DC max.

Analog Signal : Total 9 blocks (operated from 3 channels Ch-1 to Ch-3) on rear panel with each 2-pin 3.81 mm detachable terminal; Rated for 0-10 Volts DC, protected to 10 Volts DC maximum, input impedance 10k Ohms with pull-up resistor.

Serial Output : Total 3 blocks (COM-1 to COM-3) on rear panel with each 3-pin 3.81 mm detachable terminal; Bidirectional TTL/RS-232 (0-5 Volts) port with up to 115200 baud rate.

HW-R : One recessed push button for hardware reset

IR & Serial Output : Total 4 blocks (COM-4 to COM-7) on rear panel with each 3-pin 3.81 mm detachable terminal; Comprises IR/Serial output ports; Bidirectional TTL/RS-232 (0-5 Volts) port with up to 115200 baud rate when configured as serial; One-way IR output when configured as IR Emitter.

LAN : One 8-pin RJ45 jack on rear panel; 10Base-T/100Base-TX Ethernet port

TMP-R : One 3-pin 3.81mm detachable terminal on rear panel for reading Temperature / Humidity

Power : One 2.1 mm DC power jack connector associated with a Power Switch on rear panel; 12 Volt DC power input and 2 Amp max current rating

Dimensions

Height : 44 mm .

Width : Without rack ears 444 mm, with rack ears 482 mm.

Depth : 185 mm

Communications

Ethernet : 10/100 Mbps
Full / Half Duplex
Industry-Standard TCP/IP stack IPv4

Analog : For one-way device control, 0-10 Volts DC variable

Serial : For two-way device control and monitoring, all ports support TTL/RS-232 (0-5 volts) up to 115200 baud rate.

IR & Serial : Supports one-way device control via Infrared or two-way device control and monitoring via serial, for serial all ports support TTL/RS-232 (0-5 volts) up to 115200 baud rate

Indicators

Power Indicator : One RED LED on front panel, indicates operating power supplied from power adaptor.

Status Indicator : One LED on front panel, turns to RED while initializing the controller; turns to Green only when the controller is ready to use.

Relay Switch Indicators : 10 Green LEDs on front panel, indicates whether the corresponding Relay Switch is turned on or off. Two LEDs on rear panel; Green LED indicates Ethernet link status; Amber LED indicates Ethernet activity.

Indicators

Operating Temperature : 50° to 113° F (10° to 45° C)

Humidity : RH Non-Condensing 15% to 85%.

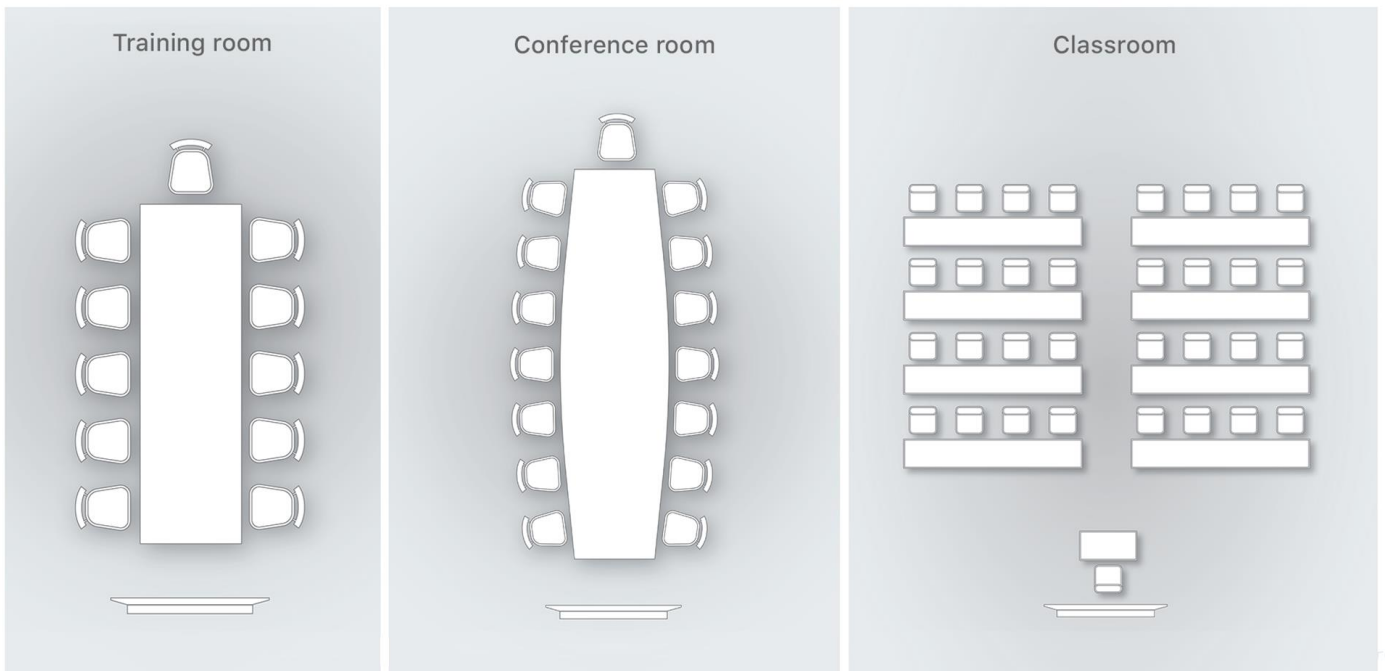**Heat Dissipation :** 45BTU/hr.
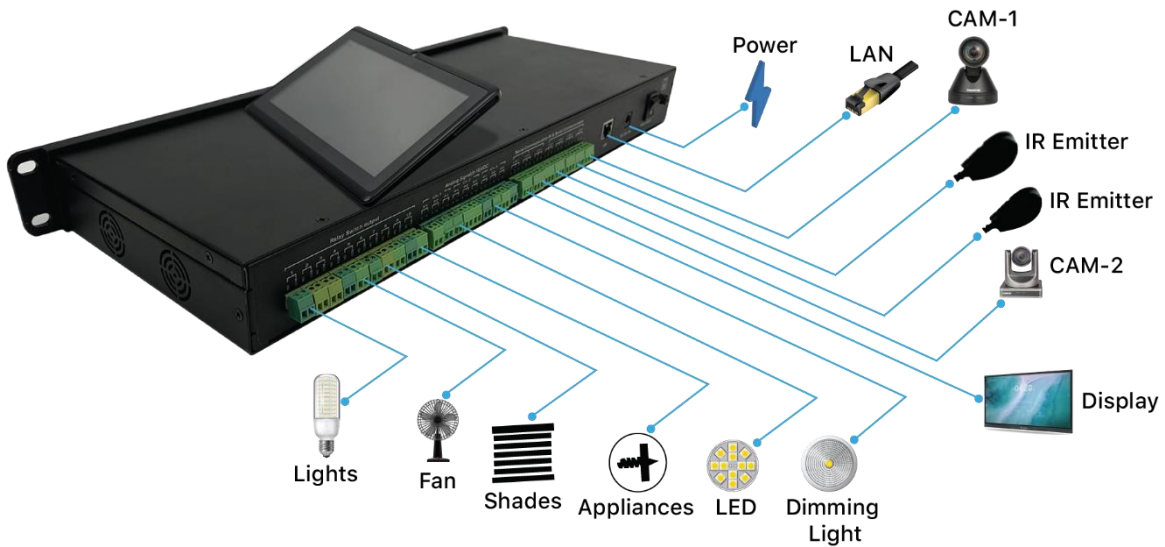
Enclosure

Chassis : Metal, black finish

Faceplate : Metal, black finish with white label

Mounting : Freestanding; 1U rack-mountable (including rack ears)

Application Scenarios

Training room	Conference room	Classroom

Disclaimer:- Room setup diagrams provided for reference only. Actual room setup and size may vary as per requirements.

Power
LAN
CAM-1
IR Emitter
IR Emitter
CAM-2
Display

Lights
Fan
Shades
Appliances
LED
Dimming Light

ORDERING INFORMATION:

PeopleLink Insta-Controller : **PCU – PCT – ARSI - 31074**

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