CR-CM4L

Raspberry Pi OS Based Hardware Control Platform

This open hardware controller is designed to allow 3rd party developers to access any and all the I/O connections of this hardware controller via the standard Raspberry Pi Lite operating system.

With the array of hardware connections, a software developer can design and build a bespoke software control solution for any installation.

PANEL

Rear View

FEATURES

- Raspberry Pi Compute Module 4 based hardware
- Raspberry Pi OS Lite operating system
- Debian Version: 12 (bookworm)
- Other operating systems or versions can be installed for larger multiple unit projects.
- Direct HDMI output
- USB connectivity
- External IR connection port
- CONTROL 5-pin Terminal Block: Multi use serial control device with a 5-pin connector to control another device via RS-232/422/485 etc
- CONTROL 3-pin Terminal Block: normally used for RS-232 connection
- 10-pin TRIGGER Terminal Block: trigger any device such as window security alarms, motion detectors, door switches, etc.
- LAN1 connection (PoE)
- LAN 2 connection – both LAN's are fully independent with their own MAC addresses
- Locking DC 5V power connection

SPECIFICATIONS

Interfaces	
AV Output Port	1 x HDMI
Control I/O	1 x IR Extender (3.5mm) 1 x RS-232 (3-pin Terminal Block) 8 x Trigger (10-pin Terminal Block) 1 x USB (Type-A) 2 x LAN (RJ-45) Open Port 1 x 5-pin Terminal Block (RS-232)
Video	
Output Signal Types	1920×1080p@60
Power	
Power Supply	5V/2.6A DC (Locking)
Power Consumption	2.99W
Enclosure	
Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (W×H×D)	231.5mm×25mm×108mm [Case Only] 231.5mm×25mm×117mm [All Inclusive]
Weight	250g

ORDERING INFORMATION

Model No.	Product Description
CR-CM4L	Raspberry Pi OS Based Hardware Control Platform