



PRO SERIES LS9100

Digital Display Controller

FEATURES

- + Supports Android and Ubuntu
- + Powerful 8-Core, 64-bit, 2.4GHz Processor
- + Up to 16GB RAM
- + Connect up to 2 displays at once
- + Supports 4k video up to 60fps, 8k up to 30fps
- + Optional Bluetooth & Wi-Fi
- + Heat Resistance up to 170° F (76° C)

Digital Display Controller

The LS9100 Pro Series is a powerful, yet compact Digital Display Controller capable of powering most commercial digital display applications, including high heat and humidity environments. The device features multiple video display ports and supports up to 16 GB of RAM.

Our smallest controller measures less than 4.5 inches while its rugged casing stands up to heat, humidity, grease, dust, and high vibration environments.



LS9100 Specifications

SYSTEM

Motherboard: RK35882

Processor: 8-64bit (4xCortex-A76+4xCortex-A55), 8nm lithography process, up to 2.4GHz

Memory: up to 16GB 64bit LPDDR4/LPDDR4x/LPDDR5

Storage: Up to 256GB SSD

Expansion: 1 TF Card

I/O Ports

USB-Type A: 1 x USB2.0; 3 x USB3.0

USB-Type C: 1 x USB3.0 (Display Port Capable)

Serial Port: 1 x DB9 (Powered RS232) (default: 0V, 5V, 12V)

LAN: 1 x Gigabit Ethernet (1000Mbps / RJ45)

HDMI: 1 x HDMI 2.1 (8K@60fps 4K@120fps)

Display Port: 1 x DP1.4 (8K@30fps)

**Supports dual screen output with different displays*

Audio: 1 x 3.5mm Audio jack (support Mic), 1 x HDMI2.1 Audio output,
1 x DP 1.4 Audio output

POWER

Power Adapter: DC 12V (5.5*2.1mm)

COMMUNICATION

WLAN + BT: 2.4G/5GHz Dual-band WiFi, 802.11 a/b/g/n/ac, Bluetooth 4.2 (Option)

ENVIRONMENTAL

Operating temperature: 0°C to 77°C (32°F to 170°F)

Relative humidity: 10%-90% max, non-condensing

DIMENSIONS

W x H x D: L: 96.4 mm x W: 116 mm x H: 31.6 mm

L: 3.8 in. x W: 4.56 in. x H: 1.27 in.

OS SUPPORTED Android 12, Ubuntu 20.04