



## Main Features

- Onboard Rockchip RK3399 ARM® Cortex®-A72 and Cortex®-A53
- 2 x 10/100/1000Mbps LAN Port
- 2 x HDMI 2.0, 1 x LVDS, 1 x eDP, 1 x MIPI DSI
- 2 x USB 2.0, 1 x USB 3.0, 1 x USB 2.0 OTG
- 1 x RS232/422/485
- 1 x mini-PCIe socket for optional Wi-Fi/3.5G/LTE modules
- Fanless and slim design
- Support Android

## Product Overview

Powered by ARM® Cortex®-A72 Dual Core and Cortex®-A53 Quad Core, NDiS B116 can play rich multi-media contents with low power consumption. NDiS B116 is enclosed in a compact chassis and can be easily integrated to display devices, such as LCD TV or PDO at site installation with HDMI display output (up to HDMI 2.0 support 4K2K 60Hz), Giga LAN. NDiS B116 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

## Specifications

### CPU Support

- Rockchip RK3399 64-bit Dual ARM® Cortex®-A72 and Quad Cortex®-A53
- Mali-T864 GPU, OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11

### Memory/Storage

- Onboard 2GB DDR3
- Onboard 8GB eMMC flash

### Display

- 2 x HDMI 2.0 (simultaneous dual display: 1 x 4K 60fps, 1 x 1080p)

### LAN

- 2 x 10/100/1000Mbps LAN port

### USB

- 2 x USB 2.0
- 1 x USB 3.0
- 1 x USB OTG

### Audio

- 1 x Pin header support Mic-in/Line-out/Speaker-out

### Front I/O

- Power button
- LED indicator
- 1 x RS-232/422/485 (COM2) (For NDiS B116-4G-16G only)
- 2 x RS-232 (TX/RX/CTS/RTS/DSR/DTR/DCD) (COM3, COM4 (COM3, 4) (For NDiS B116-4G-16G only)

### Rear I/O

- 12V DC jack
- 1 x RS-232/422/485 (COM1)
- 2 x HDMI 2.0
- 2 x GbE LAN ports
- 1 x USB 2.0, 1 x USB 3.0, 1 x USB OTG
- 2 x ANT holes

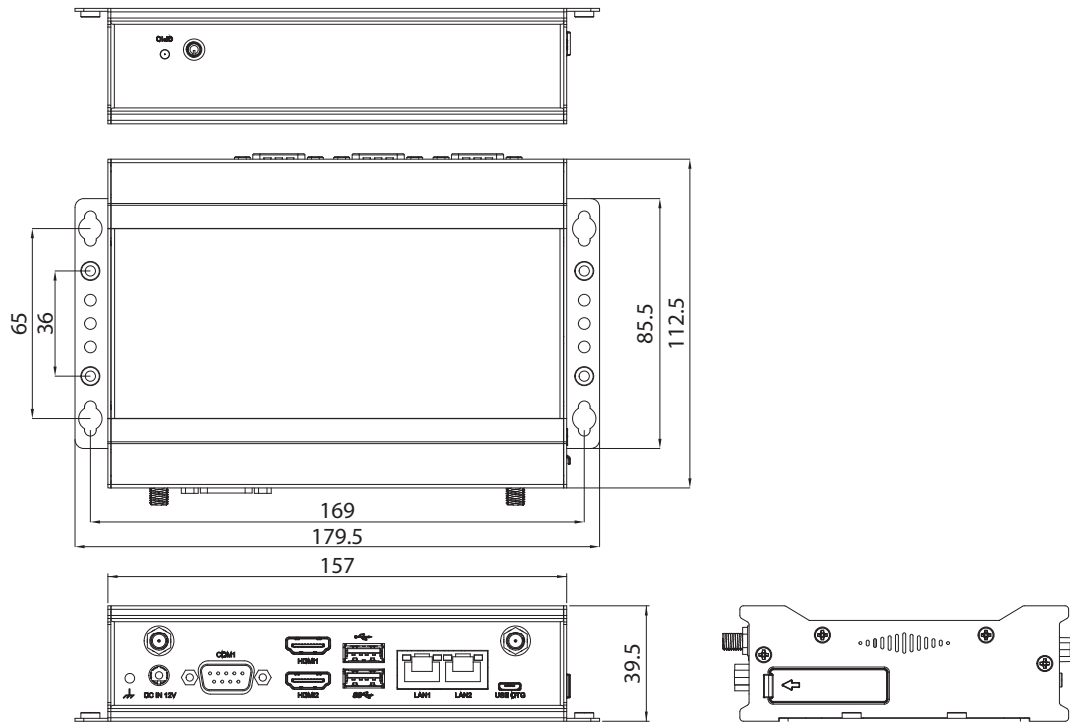
### Expansion

- 1 x mini-PCIe socket for optional Wi-Fi/3.5G/LTE modules

### Dimensions

- 179.5mm (W) x 112.5mm (D) x 39.5mm (H) (with wall mount)

## Dimension Drawing



### Power Supply

- 1 x External 60W AC/DC adapter
  - Input: 100~240VAC
  - Output: +12VDC

### Environment

- Operating temperature: ambient with air flow from 0°C to 60°C
- Storage temperature: -20°C to 85°C
- Humidity: 10 to 95% (non-condensing)

### Operating System

- Android 7.1

## Ordering Information

### ◆ NDIS B116 (P/N: 10W00B11600X0)

Rockchip RK3399 ARM® Cortex®-A72 Dual Core and Cortex®-A53 Quad Core, onboard 2G LPDDR4 and 8G eMMC, 1 x COM

### ◆ NDIS B116-4G-16G (P/N: TBD)

Rockchip RK3399 ARM® Cortex®-A72 Dual Core and Cortex®-A53 Quad Core, onboard 4G LPDDR4 and 16G eMMC, 4 x COM