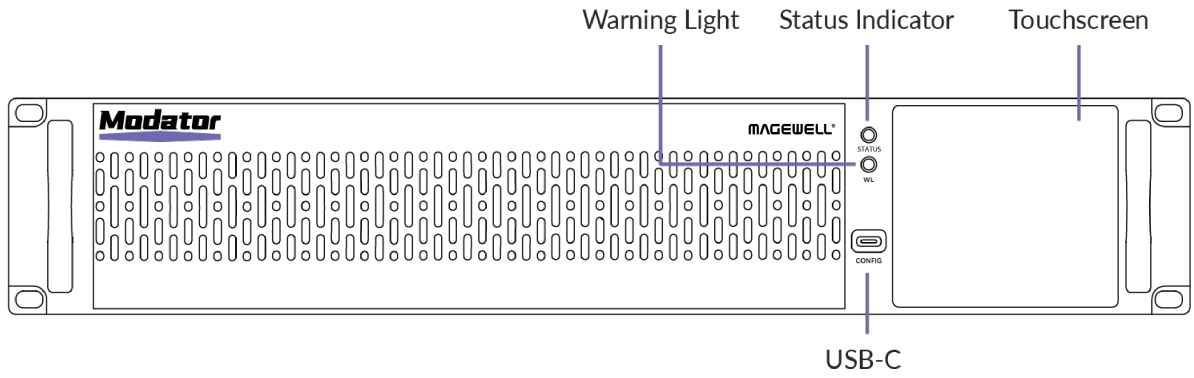
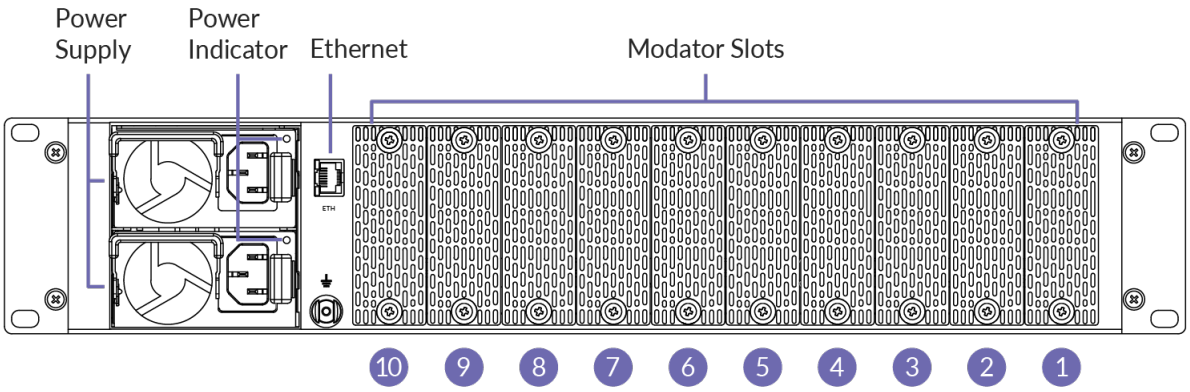
Modator 2U Technical Specifications

Delivers the robust capabilities of Magewell's IP encoders and decoders in a scalable, high-density form factor

SKU: B52200000T





Product Overview

Magewell's Modator 2U is a high-density, flexible, and expandable modular rack server designed for Magewell's encoder and decoder modules. The 2U high rack server meets the requirements of standard rack deployments and supports up to 10 hot-swappable Modator modules. The LED screen indicates the operating status of each module and the chassis. Empowered with dual power supply and built-in centralized heat dissipation design for stable 24/7 operation, the server is suitable for various scenarios requiring high stability.

Key Features

- Each installed encoding or decoding module independently provides high-quality conversion
- Dual power supplies and optimized heat dissipation for 24/7 operation
- LED touch screen provides status monitoring of the chassis and modules

Technical Specifications

Revised on 10/27/2026

Interfaces

- 10* Modator slots supporting hot swap of Magewell modules
- 1* RJ45 1000Mbps Ethernet port for configuration

- 1* USB Type-C port for configuration

Power and Power Consumption

- Hot-swappable dual power supply modules for safety and redundancy
- AC: 100–240V, 7–3.5A, 60/50Hz
- Maximum power consumption of the chassis: 200W
- Maximum power consumption of each slot: 20W
- Standby power consumption: 11W (Touchscreen off), 11.9W (Touchscreen on)
- No-load power consumption: 17W (Touchscreen off), 17.9W (Touchscreen on)

Status Indication

- Status indicator:
  - Blue: Working
  - Off: Standby
- Warning light:
  - Red: Error
  - Off: Normal
- Power indicator:
  - Green: Output on and OK
  - Flashing Green: Standby or Cold Redundancy
  - Red: Error or fault
- Buzzer:
  - Beeping: Error
  - Off: Normal

Touchscreen

- Dimension: 91mm x 81mm

Control

Touchscreen

- Power on/off the device
- Display the device information
- Display information about the connection state of each slot and information of inserted modules
- Display and edit Ethernet information
- Display logs to trace important events
- Display notifications of errors

Web UI

- Provides comprehensive information regarding the device
- Provides basic information and working status regarding connected modules
- Supports managing and configuring the device, such as changing device name, enabling beeper, updating firmware, setting network, etc.
- Supports IE/Edge/Firefox/Chrome/Safari/Opera web browsers
- Provides HTTP APIs

Physical Specifications

- Form factor: 482mm (L) x 275mm (W) x 88 mm (H)
- Weight: ≈5.6kg (with 10 blank panels)

Working Environment

- Operating temperature: 0 to 50 deg C
- Storage temperature: –20 to 70 deg C
- Relative humidity: 5% to 90% non-condensing
- Operating altitude: Up to 3,000 m

Notice

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Specifications are based on current hardware, firmware and software revisions, and are subject to change without notice.