

ARCEEDIA

CONTROL // PLATFORM



The MADRIX turnkey solution for your next project.

Ready For Production

You can immediately rely on a fully operational system out of the box. This bundle offer includes a reliable hardware platform and trusted MADRIX Software for configuration, control, and monitoring of your lighting setup.

Software Licenses Included

The high-value arcedia standard software license for MADRIX 5, with the option to upgrade to the arcedia extended software license offering twice the output.

A core license and a big data license that make it easy to get started with MADRIX RADAR.
All licenses are immediately ready for use.

Free Update To MADRIX 6

To give you planning certainty, the update to MADRIX 6 is free of charge for your MADRIX 5 arcedia software license once available.

Small Footprint — Big Impact

It features workstation graphics, fast disk speeds, even faster memory speeds, and powerful processing power in a compact form factor: Two units fit into 19" × 1.5U.

Available Add-Ons

- **Warranty Extension** (Extend from 2 years to 3, 4, or 5 years.)
- **Rackmount Bracket** (Installation for 19" racks, holding up to 2 units.)

Embrace Live Features

Take advantage of a full-fledged control system with live audio input for audio-based MADRIX 5 Effects and remote access (possible via VPN, remote-desktop applications, or similar), and more.

Installed Software Packages

To speed up setup times, the operating system, drivers, and software are already installed. 1x administrator account is configured for you.

It always ships with the latest versions of the MADRIX software applications pre-installed, including MADRIX 5, MADRIX RADAR, and MADRIX HARDWARE MANAGER.

Also installed are LAV video codecs for MADRIX 5, the PostgreSQL database & PgAdmin for MADRIX RADAR, and WireShark for technical support.

MADRIX ARCEEDIA is the professional live-rendering system to drive the stunning pixel mapping of your LED installation with MADRIX 5 Software in unique 2D or real 3D.

Technical Specifications

MADRIX 5 Render Volume	1.5 million pixels (Recommended maximum for 2D or 3D)
MADRIX 5 Software License	1x arcedia standard (135,168 DMX channels / 44,880 DM pixels / Lifetime / Included in purchase / Already activated)
MADRIX 5 Software License Upgrade (Optional)	1x arcedia extended (270,336 DMX channels / 89,760 DM pixels / Lifetime / Available for purchase)
MADRIX RADAR Software Licenses	1x core (Unlocks all RDM devices & sub-devices connected through 3rd-party RDM nodes for Parameters, Snapshots, Sensors, Status Messages / Lifetime / Included in purchase / Already activated) 1x big data (Unlocks the Big Data features / Included in purchase / Already activated)
Power Supply	External, 180 W, AC 100 V – 240 V, 50 Hz – 60 Hz, 9.0 A max.
Power Consumption	34 W (idle) / 95 W (typical) / 130 W (Max.)
BTU/h	116 (idle) / 324 (typical) / 443 (Max.)
Memory / Storage	EOC RAM (Error-correction code) / 1 TB (NVMe)
Output Ports (Monitors/Displays)	4x Mini DisplayPort 1.4a (Via dedicated GPU) / 2x HDMI 2.0b + 1x DisplayPort 1.4b (Via integrated GPU)
Maximum Resolution (Monitors/Displays)	4,096 × 2,160 (4x @ 120 Hz) / 5,120 × 2,880 (4x @ 60 Hz) / 7,680 × 4,320 (2x @ 60 Hz)
Color Depth (Monitors/Displays)	8-Bit / 10-Bit / 12-Bit
Ethernet (Network)	RJ45, 1x 2.5 GBit/s, 1x 1 GBit/s (Pre-configured with valid IP addresses)
Audio	2x 3.5 mm mini jacks (Line-OUT / Microphone)
USB	4x ports, 10 GBit/s (USB 3.2 Gen 2), type-A female socket
Operating System	Windows 11 Pro (Already installed)
Handling	Industrial hardware platform (Certified for 24/7 operation), Active cooling, Bluetooth, Wi-Fi (Designed for remote access, not for output of lighting-control data), Power switch (Illuminated), Kensington security slot
Case	Metal enclosure, 4x Chassis feet (Removable)
Dimensions	218 mm × 218 mm × 73 mm (8.58" × 8.58" × 2.87") (Length × Width × Height) (Incl. feet) 218 mm × 218 mm × 66 mm (8.58" × 8.58" × 2.60") (Length × Width × Height) (Excl. feet)
Rack-Installation Depth	218 mm (8.58")
Weight	2.1 kg (4.63 lb)
Package Accessories	1x Power supply (Plug type E+F CEE 7/7), 1x Adapter Mini DisplayPort to DisplayPort, 1x VESA mount adapter bracket (From 50 mm × 50 mm to 75 mm × 75 mm / 100 mm × 100 mm), 1x Technical manual, Not included: Keyboard, mouse, monitor, network cables
Temperature Range	+10 °C to +36 °C (+50 °F to +97 °F) (Operating)
Relative Humidity	10 % to 90 %, non-condensing (Operating / Storage)
IP Rating	IP20
Certificates	CE, FCC, DIN 15781 (Entertainment Technology – Media Server)
Warranty	2 years of limited manufacturer's warranty (Extension up to 5 years upon request)



Compact powerhouse including MADRIX 5 software license