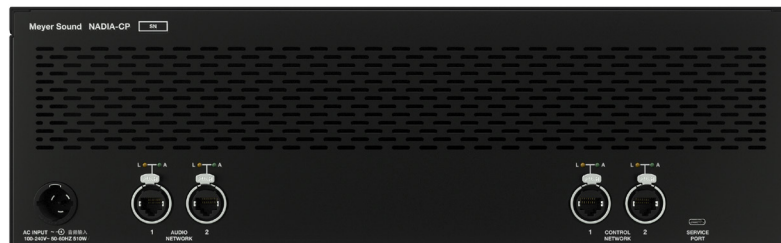


NADIA-CP Core Processor



SPECIFICATIONS

PHYSICAL	
Weight	27.6 lb (12.5 kg)
Dimensions	3 RU, 16.85 in (430 mm) wide, 5.17 in (131 mm) high, 16.04 in (407 mm) deep
Enclosure	Metal, slightly textured black finish
IEC Ingress Protection Rating (IP Rating)	Indoor installation use only
AC POWER	
Connector	Neutrik powerCON TRUE1 TOP
Operating Voltage Range	100 – 240 V AC, 50 or 60 Hz, automatic voltage selection
Max Long-Term Continuous Power (>10 sec)	510 Watts
NETWORK	
Audio Network	Primary/Secondary 1Gb etherCON Ethernet network ports, Milan AVB-enabled for digital audio connection with NADIA-AI12 and NADIA-AO16 modules, telemetry reporting
Milan Audio Stream Format	AAF, PCM 96 kHz sample rate, 32-bit integer
Software Control	Full bi-directional communication and control with CueStation software within a client-server architecture
Audio Inputs	Program audio 128 AVB channels (16 redundant streams of up to 8 channels), Constellation active acoustics 96 AVB channels (8 redundant streams of up to 12 channels).
Audio Outputs	128 AVB channels (16 redundant streams of up to 8 channels)
AUDIO PROCESSING	
Constellation	3 or 12 zones of active acoustics, depending on license
Program Audio	Dual matrix signal flow: Input processing, Spatial matrix 128 x 128 (gain), Spatial processing, Array matrix 128 x 128 (gain, delay), Output processing
Digital Audio Processing	96 kHz sample rate, 64-bit resolution