

LiveEdge® Max 2 – Tech Specs

LiveEdge® Max 2 boasts double the CPU (8 cores) of LiveEdge® Node, 2.5x compute, 20x compute for AI/ML.

General

+12V Input (10-15V 25 Watts Max)
IEEE802.3af Power over Ethernet (PoE+)
Dimensions: 1.7" x 5.7" x 6.7"
2.35" LCD display, 3 control buttons

Video Encoding (Dual Channel)

Input Resolutions

3840x2160 (UHD)	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
1920x1080	p/160, i59.95, p/i59.94, p/i50, p30, p29.97, p25, p24, p23.98
1280x720	p60, p59.94, p50
720x576	p50
854x480	p59.94
VESA*	2560x1440p60; 1920x1200p60

*VESA input resolutions only supported via HDMI.

**For difference between supported HDMI and SDI input resolutions reference [Help Center](#)

Encode Resolutions

3840x2160 (UHD)	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
1920x1080	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
1280x720	p60, p59.94, p50
720x576	p50
960x540	p*
854x480	p60, p59.94
640x360	p*
480x270	p*
320x180	p*
VESA	2560x1440p60, p50; 1920x1200p60, p50

*scaled resolutions, frame rate same as source

Codecs

H.265/HEVC (8 bit) or H.264/AVC, Baseline, Main, High

Bit Rates

100kbps – 100Mbps

Rate Control & Transport Control

Variable, Constant

Audio Encoding (16 Channel)

Encode Format

MPEG-4 AAC-LC in ADTS
Opus (for WHIP only)
64/96/128/192/256/320/384/512/576 kbps

Encode Sampling Frequency

44.1, 48KHz

I/O

Video

HDMI 2.0 input
2x 12G-SDI inputs

Audio

3.5mm Analog Audio input – Line level
Embedded L-PCM HDMI/SDI input
Up to 16 channels of audio over HDMI/SDI input

Ancillary Data Support

SMPTE-334-2 608/708 Closed Captions (HD/4K)
KLV SMPTE-336
SMPTE-2038
SCTE-35 splice marker insertion via REST API or SCTE-104 ingest

Recording

USB 3.0, SD Card – FAT32 filesystem

Network

1000/2500 Mbps Ethernet (RJ-45)

Simultaneous Streaming & Recording Capabilities

Streaming (per channel)

SRT*
Zixi w/ Encoder Back Pressure Support*
WHIP
RTMP/RTMPS/RTSP
Unicast/Multicast (RTP over UDP, raw UDP)
HLS (TS, fMP4)**
MPEG-DASH**

Output types and quantities vary based on product licensing.

*Supports AES-128, AES-192, or AES-256 encryption

**Supports Multi-Bit-Rate

Recording

USB/SD Card (MPEG-TS or MP4)
FTP upload

Network & Control

LiveEdge® Cloud Control

Web browser interface
REST API integrates with third-party controllers
DHCP (Default) / Static IP Address
Command and Control: HTTPS
XML Polling

Application Support

MediaBin Switcher
IP Inputs (RTSP / SRT)
Network Analyzer
Ultrasonic Tone Insertion
Nimbra Edge
Zixi Broadcaster
User- & Partner-Created Docker Containers