

Avid VENUE | S6L System Specifications

The next stage in live sound



| CONTROL SURFACES | S6L-48D | S6L-32D | S6L-24D | S6L-24C | S6L-16C |
|---|---|---|---|--|--|
| 12-inch daylight-visible touchscreens | 1 Master Touchscreen, 5 Channel Touch Modules | 1 Master Touchscreen, 3 Channel Touch Modules | 1 Master Touchscreen, 2 Channel Touch Modules | 1 Master Touchscreen | None (requires user-provided external touchscreen) |
| Faders | 48 + 2 | 32 + 2 | 24 + 2 | 24 + 2 | 16 + 2 |
| Knob Modules with high-resolution OLEDs and tri-color function indicators | 160 assignable knobs across 5 Channel Knob Modules | 96 assignable knobs across 3 Channel Knob Modules | 64 assignable knobs across 2 Channel Knob Modules | 32 assignable knobs across 1 Channel Knob Module | 32 assignable knobs across 1 Channel Knob Module |
| Master Live Module | Graphic TFTs with soft buttons; Touch and Turn assignable encoder; 2 assignable faders; monitoring, layout and snapshot controls; transport controls and function buttons | | | | |
| Metering | 30-segment meters per channel, with pre- and post-fade metering options; Nominal indicator, Expander/Gate status and Compressor/Limiter gain reduction meters | | | | |
| Analog inputs | 8 XLR mic/line inputs with 48V and signal present LEDs | | | | 1 XLR mic/line input* |
| Analog outputs | 8 XLR outputs with mute and signal present LEDs | | | | 2 XLR outputs* |
| Digital inputs | 4 pairs of XLR stereo AES/EBU (8 channels total) | | | | None* |
| Digital outputs | 4 pairs of XLR stereo AES/EBU (8 channels total) | | | | None* |
| Headphone outputs | 2 independent ¼" TRS stereo headphone jacks | | | | 1 ¼" TRS stereo headphone jack |
| Ancillary I/O | DVI-D video out, 5 USB 2.0 (2 rear, 2 front, 1 internal), ECx Ethernet port for wired/wireless remote control, GPIO (8 in/8 out), 2 footswitch, Linear Time Code input, MIDI I/O | | | | |
| Ethernet AVB ports | 2 etherCON (copper), 2 selectable as etherCON (copper) or SFP (fiber); redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration | | | | |
| Power supply | Dual redundant, internal hot-swappable PSUs | | | Dual redundant, internal** | |
| Height (front, rear) | 3.6, 15.3 inches (91, 388 mm) | | | 3.6, 8 inches (91, 205 mm) | |
| Width | 76.1 inches (1,934 mm) | 51.3 inches (1,304 mm) | 38.9 inches (989 mm) | 38.9 inches (989 mm) | 26.4 inches (671 mm) |
| Depth | 31 inches (787 mm) | | | | |
| Weight | 212 lbs (96 kg) | 155 lbs (70 kg) | 119 lbs (54 kg) | 84 lbs (38 kg) | 72 lbs (33 kg) |

* Local 16 Rack can supply additional local I/O

** S6L-24C and 16C power supplies are not compatible/swappable with S6L-48D, 32D, and 24D control surface power supplies, or with E6L-192 and 144 engine power supplies

| ENGINES | E6LX-256 | E6L-192 | E6LX-176 | E6L-144 | E6LX-128 | E6L-112 |
|---------------------------|---|---|---|---|---|---|
| Sample rates | 96 kHz | | | | | |
| Input channels | 256 | 192 | 176 | 144 | 128 | 112 |
| Input processing | HEAT, HPF, LPF, 4-band PEQ, Expander/Gate, Compressor/Limiter, Delay, 8 plugin inserts, hardware insert (4x Pre-fade, 4x Post-fade) | | | | | |
| Mix busses | 192 + LCR | 96 + LCR | 96 + LCR | 64 + LCR | 64 + LCR | 48 + LCR |
| Output processing | 7-band PEQ, Compressor/Limiter, Delay, 8 plugin inserts, hardware insert (4x Pre-fade, 4x Post-fade) | | | | | |
| Matrix | 64x64 | 24 x 24 | 32 x 32 | 16 x 16 | 24 x 24 | 16 x 16 |
| VCAs | 48 | | | | | |
| Stereo solo busses | 2, with independent control | | | | | |
| Graphic EQs (31-band) | All Outputs and Matrixes | | | | | |
| Digital signal processing | Supports up to 4 HDX-192 DSP Expansion Cards for plugin processing; includes one card | Supports up to 4 HDX-192 DSP Expansion Cards for plugin processing; includes one card | Supports up to 4 HDX-192 DSP Expansion Cards for plugin processing; includes one card | Supports up to 2 HDX-192 DSP Expansion Cards for plugin processing; includes one card | Supports up to 4 HDX-192 DSP Expansion Cards for plugin processing; includes one card | Supports up to 2 HDX-192 DSP Expansion Cards for plugin processing; includes one card |



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| ENGINES | E6LX-256 | E6LX-176 | E6LX-128 | E6L-192 | E6L-144 | E6L-112 |
|-----------------------------|--|--|--------------------------|--|--------------------------|---------------------------|
| Plugin support | 64-bit AAX DSP; also supports Waves SoundGrid systems through the WSG-HD Option Card for full integration with S6L, or over MADI | | | | | |
| Plugin slots | 400 | | | | | |
| Pro Tools integration | Record/play back up to 128 audio tracks via Console AVB | | | | | |
| Expansion Option Card slots | 8 | 8 | 8 | 8 | 8 | 2 |
| Ethernet AVB ports | Includes two AVB-192 Ethernet AVB Network Cards with two ports (per card), selectable as etherCON (copper) or SFP (fiber), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration | | | | | |
| I/O sharing | Supports up to three S6L systems, up to 192 inputs total (requires two AVB-192 Ethernet AVB Network Cards to share I/O) | | | | | |
| Word Clock I/O | Clock I/O BNC, 75 Ohm coaxial | | | | | |
| USB ports | 5 USB 2.0 ports (2 front, 2 back, 1 internal) | | | | | |
| Power supply | Dual redundant, internal | N+1 redundant, internal hot-swappable PSUs | Dual redundant, internal | N+1 redundant, internal hot-swappable PSUs | Dual redundant, internal | Dual redundant, internal* |
| Dimensions (H x W x D) | 8.6 x 19 x 21.2 inches (219 x 484 x 537 mm) | | | | | |
| Rack spaces | 5U | | | | | |
| Weight | 63 lbs (28.6 kg) | 64 lbs (28.6 kg) | 65 lbs (28.6 kg) | 74 lbs (33 kg) | 74 lbs (33 kg) | 72.8 lb (33 kg) |

* The E6L-112 power supply is not compatible/swappable with S6L-48D, 32D, and 24D control surface power supplies, or with E6LX-256 E6L-192 and E6L-144 engine power supplies

| I/O RACKS | STAGE 64 | STAGE 48 | STAGE 32 | STAGE 16 | LOCAL 16 |
|------------------------------|---|--|---|--|---|
| Maximum I/O | 64 input channels, 32 output channels @ 96 kHz with one Stage 64 rack; up to 192 inputs/96 outputs supported (depending on the E6L engine in use) with three Stage 64 racks (64 ins/32 outs each) | 48 analog input channels and 24 analog output channels @ 96 kHz with one Stage 48 rack | Total of 32 input/output channels @ 96 kHz with one Stage 32 rack | 16 XLR mic inputs/preamps, 8 XLR line outputs, 4 channels of AES3 output | 8 XLR mic/line inputs, 8 XLR outputs, 4 pairs of XLR stereo AES/EBU inputs (8 channels total), 4 pairs of XLR stereo AES/EBU outputs (8 channels total) |
| I/O card slots | 12 | n/a | 4 | n/a | n/a |
| Sample rates | 96 kHz | 96 kHz | 96 kHz | 96 kHz** | 96 kHz |
| Ethernet AVB ports | 2, selectable as etherCON (copper) or SFP (fiber), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration | | | 2 Gigabit Ethernet AVB ports, etherCON (copper), with redundant ring topology; supports Luminex GigaCore 26i and GigaCore 10 AVB switches for redundant star configuration | 2, each providing etherCON (copper) or SFP (fiber optic) connections |
| Maximum cable length | Copper: 100 meters (328 feet); Fiber: 500 meters (1,640.4 feet) | | | 100 meters (328 feet) | Copper: 100 meters (328 feet); Fiber: 500 meters (1,640.4 feet) for Multi-Mode, 10,000 meters (32,808 feet) for Single Mode Fiber |
| MADI | Dual MADI output offers direct split of all 64 inputs | Dual MADI output offers direct split of all 48 inputs | Single MADI output offers direct split of up to 32 inputs | n/a | n/a |
| Headphone confidence monitor | ¼" TRS stereo headphone jack with volume control; display for channel selection | n/a | n/a | n/a | n/a |
| Word Clock I/O | BNC, 75 Ohm coaxial | n/a | n/a | n/a | n/a |
| Power supply | Dual redundant internal PSUs | | | Single internal PSU | Dual redundant internal PSUs |
| Dimensions (H x W x D) | 17.5 x 19 x 12.2 inches (445 x 484 x 310 mm) | 14 x 16.9 x 19.7 inches (355 x 430 x 501 mm) | 8.7 x 19 x 17.7 inches (221 x 484 x 448 mm) | 6.9 x 19 x 8.1 inches (175 x 484 x 206 mm) with ears/handles out (rackmount configuration) | 5.2 x 19 x 11 inches (484 x 442 x 278 mm) |
| Rack spaces | 10U | 8U | 5U | 4U | 3U |
| Weight | 69 lbs (31 kg) | 35 lbs (76 kg) | 49 lbs (22 kg) | 21 lbs (9.5 kg) | 16.3 lbs (7.4 kg) |

**When connected to VENUE | S6L—operates at 48 kHz when connected to VENUE | S3L-X

FOR MORE INFORMATION, VISIT

avid.com/S6L