

# Infinity ST Series

Studer Digital Signal Processing Engine



The Infinity ST Series are the latest Digital Signal Processing engines from Studer, continuing the tradition of exceeding demanding processing requirements. Leveraging Infinity Core technology, the ST Series builds upon the highly scalable and fully redundant system to create the most flexible audio signal processing solution yet, with huge channel counts and without a single point of failure.

The Infinity ST Series has two sizing options to fit your signal processing needs: ST-550 and ST-1100. Both options provide native interfaces for SMPTE ST 2110 audio over IP and high-capacity A-Link connectivity over point-to-point fiber, with unrestricted distribution of over 6,000 I/O over short or long distances. Further, both options are available in two form factors: a full depth 2RU server and a 3RU short depth server geared for mobile applications (*see Ordering Information for details*).

Direct or network connectivity to the high-density modular I/O system can be used to break out the ST 2110-30 or A-Link connections to a myriad of standard analog, digital and AV embedded interfaces. The ST 2110-30 and A-Link interfaces also provide direct audio connections to a multitude of Evertz products, including seamless integration into the comprehensive SDVN system under the control of MAGNUM and VUE. This integration enables Studer Vista consoles used in conjunction with Infinity ST to operate either as standalone or as part of a fully featured and comprehensive AV infrastructure.

## STUDER®

An evertz brand

### Features & Benefits

- SMPTE 2110-30 and Studer A-Link audio interfaces on the same core eases transition to IP
- Dual QSFP
- 6000+ physical inputs and outputs
- 550 or 1100 channel and BUSS model options
- Fully configurable DSP engine — configuration application provided for user determined channel formats, processing and bus-structure
- 100% redundancy option
- Universal components used for all Evertz Live Media Node servers
- Integrates with any Evertz system with SMPTE ST 2110-30 or A-Link interface
- Redundant power supplies as standard

AV SOLUTIONS
CONTRIBUTION & DISTRIBUTION
CONTROL MONITORING
ENCODING, TRANSMISSION & MULTIPLEXING
FACILITY LINK FIBER TRANSPORT
INFRASTRUCTURE & CONVERSION
IP SOLUTIONS
LIVE MEDIA PRODUCTION
MEDIA ASSET & PLAYOUT
MULTIVIEWERS
RF SOLUTIONS
ROUTERS
WAN TRANSPORT

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## Ordering Information

### INFINITY-ST-550

Infinity Core Full depth 2RU server hardware with the software package to support 550 MEQ processing channels with 2 QSFP ports that can support up to 7 A-Link connections and an optional software key to enable 2110 audio with PTP timing. QSFPs and Optical MTP to LC for A-Link are sold separately.

### INFINITY-ST-550Q

Infinity Core shallow depth 3RU server hardware with the software package to support 550 MEQ processing channels with 2 QSFP ports that can support up to 7 A-Link connections and an optional software key to enable 2110 audio with PTP timing. QSFPs and Optical MTP to LC for A-Link are sold separately.

### INFINITY-ST-1100

Infinity Core Full depth 2RU server hardware with the software package to support 1100 MEQ processing channels with 2 QSFP ports that can support up to 7 A-Link connections and an optional software key to enable 2110 audio with PTP timing. QSFPs and Optical MTP to LC for A-Link are sold separately.

### INFINITY-ST-1100Q

Infinity Core shallow depth 3RU server hardware with the software package to support 1100 MEQ processing channels with 2 QSFP ports that can support up to 7 A-Link connections and an optional software key to enable 2110 audio with PTP timing. QSFPs and Optical MTP to LC for A-Link are sold separately.

### Ordering Options:

### INFINITY-SK-2110A

Software key to enable 2110 audio and PTP timing on Studer Infinity ST cores.