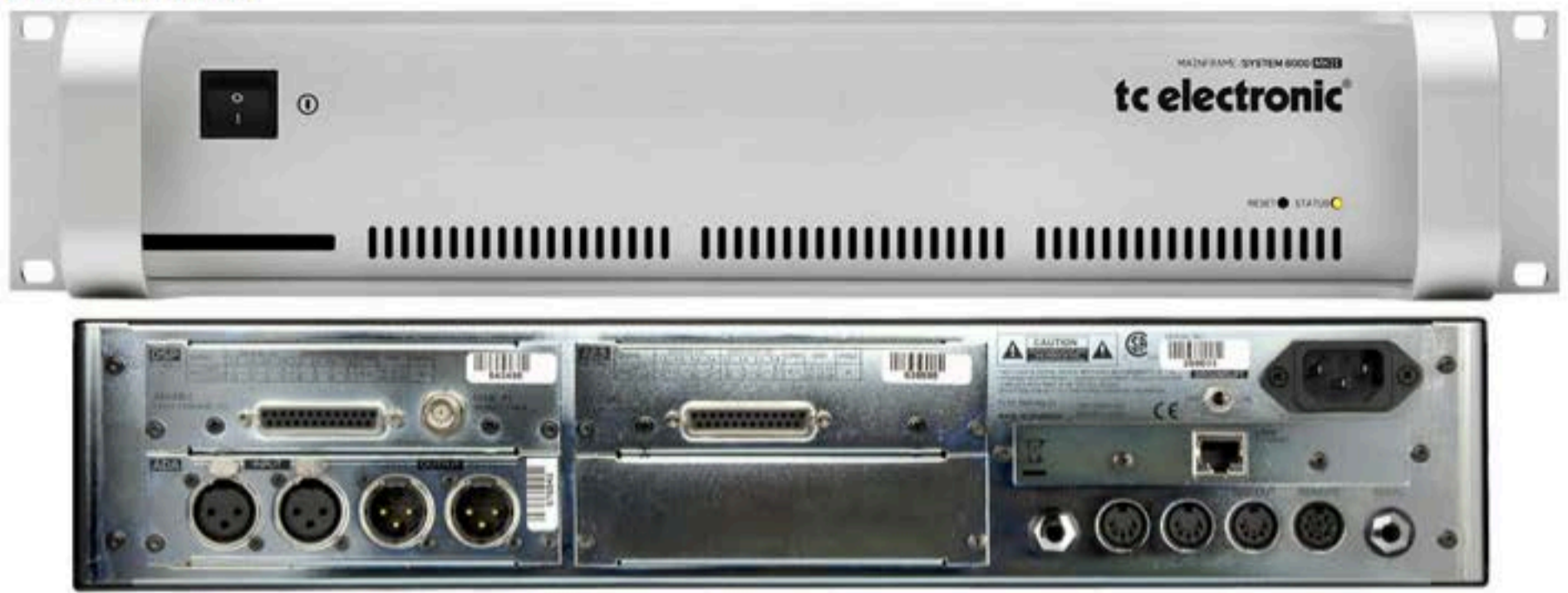


Mainframe 6000 MKII



Digital Inputs and Outputs

Connectors:

- SUB-D, 25 pole (8 channels AES/EBU in/out)

Formats:

- AES/EBU (24 bit)

Word clock input:

- BNC, 75 Ohm or Hi-Z, 0.6 to 10 Vpp

Internal sample rate:

- 96 kHz, 88.2 kHz, 48.0 kHz, 44.1 kHz

Internal clock precision:

- +/- 30 ppm

Jitter rejection at external sample rates:

- 30 to 34 kHz, 42.5 to 45.5 kHz, 46.5 to 48.5 kHz, 85 to 91 kHz and 93 to 97 kHz.

Rejection filter (4th order):

- < -3 dB @ 50 Hz, < -65 dB @ 500 Hz, < -100 dB @ 1.4 kHz

Rejection filter peak (jitter gain)

- < 1 dB @ 2 Hz

Intrinsic interface jitter:

- < 1 ns peak, BW : 700 Hz to 100 kHz

Digital output phase:

- < 3 % of sample period

Input variation before sample slip:

- +27 % / -73 % of sample period

Output Dither:

- HPF/TPDF dither 8-24 bit mono

Processing Delay:

- 0.15 ms + 0.21 ms per engine @ 48 kHz, 0.07 ms + 0.1 ms per engine @ 96 kHz

Frequency Response DIO:

- DC to 23.9 kHz ± 0.01 dB @ 48 kHz, DC to 47.9 kHz ± 0.01 dB @ 96 kHz

PCMCIA Interface

Connector:

- PC Card, 68 pin type 1 cards

Standards:

- PCMCIA 2.0, JEIDA 4.0

Card Format:

- Supports up to 2 MB SRAM

Control Interface

MIDI:

- In/Out/Thru: 5 Pin DIN

GPI, Pedal, Fader:

- ¼" TS jack, 0 ohm to 50 kohm

Remote:

- Custom MIDI In & Out

SMPTE:

- Input for Cue/Track Management

Ethernet:

- 10/100 Mbits/s, Base-T

EMC

Complies with:

- EN 55103-1 and EN 55103-2, FCC part 15 class B, CISPR 22 class B

Safety

Certified to:

- IEC 60065, EN 60065, UL 6500 and CSA E65

Environment

Operating Temperature:

- 32° F to 122° F (0° C to 50° C)

Storage Temperature:

- -22° F to 167° F (-30° C to 70° C)

General

Finish:

- Natural color anodized aluminum face plate. Painted and plated steel chassis

Dimensions:

- 19 x 3.5 x 12 inches (483 x 89 x 305 mm)

Weight:

- 19 lbs. (8,6 kg)

Mains Voltage:

- 100 to 240 VAC, 50 to 60 Hz (auto-select)

Power Consumption:

- 45 watts

Backup Battery Life:

- >10 years

Warranty, Parts and labor:

- 1 year

Remote CPU 6000 MKII



CPU

Connectors:

- Embedded AMD Geode LX-800, 500MHz

System disc:

- 512MB CompactFlash Card

System Memory:

- 256MB SO DIMM 200-pin DDR SDRAM

Operating system:

- Windows Embedded Standard

Connections:

Ethernet interface:

- Two separated 10/100 Mbits/s TC Network (fixed IP) and firewalled internet network (dynamic IP). Standard IEEE 802.3u protocol compatible on RJ-45 connectors.

USB interface:

- Two Universal Serial Bus ports, USB 2.0 compliant (for connection of TCE products, e.g. Reverb4000, DB2)

COM interface:

- Two RS-232 serial communication ports. SUB-D 9 pin (for connection of TCE products, e.g. P2, DB2)

Keyboard/Mouse:

- Mini-DIN connector supports standard PC/AT keyboard and a PS/2 mouse.

External display:

- VGA output, SUB-D 15 pin

Remote:

- 36-pin connection for TC Icon mk II

EMC

Complies with:

- EN 55103-1 and EN 55103-2, FCC part 15 class B, CISPR 22 class B

Safety

Certified to:

- IEC 60065, EN 60065, UL 6500 and CSA E65

Environment

Operating Temperature:

- 32° F to 122° F (0° C to 50° C)

Storage Temperature:

- -22° F to 167° F (-30° C to 70° C)

Humidity:

- Max. 90 % non-condensing

General

Finish:

- Natural color anodized aluminum face plate. Painted and plated steel chassis

Dimensions:

- 19 x 1.75 x 8.2 inches (483 x 44 x 195 mm)

Weight:

- 4,8 lb. (2,2 kg)

Mains Voltage:

- 100 to 240 VAC, 50 to 60 Hz (auto-select)

Power Consumption:

- 50 watts

Backup Battery Life:

- >10 years

Warranty, Parts and labor:

- 1 year



ADA 24/96 Analog input

Connectors:

- XLR balanced (pin 2+, pin 3-)

Impedance:

- 10/3 kohm (Balanced/unbalanced)

Selectable Full Scale Input level:

- 6, 12, 18, 24, 30 dBu

Dynamic Range (A-In: 12, 18, 24, 30 dBu):

- > 113 dB (unweighted), BW: 20-20kHz

THD-N

- < 105 dB @ 1kHz, -3 dBFS

Frequency Response (*with linear filter)

- +0/-0.1 dB +0/-3 dB

Output Sample Rate

@ 32 kHz @ 44.1* kHz @ 48* kHz @ 96* kHz

- 1.2 Hz - 14.8 kHz

Crosstalk

- < 120 dB, 20 Hz - 20 kHz

CMRR (A-in: 24 dBu, Rs: 2x20 Ohm)

- > 80 dB @ 50/60 Hz & > 90 dB @ 1 kHz
24 bit (Dual bit delta sigma sampling at 4.1/5.6/6.1/6.1 MHz)

ADA 24/96 Analog Output

Connectors:

- XLR balanced (pin 2+, pin 3-)

Impedance

- 40/20 ohm (Balanced/unbalanced)

Impedance Balance

- > 60 dB, @ 20-20 kHz

Signal Balance

- > 40 dB, @ 20-20 kHz

Selectable Full Scale Output Level

- 6, 12, 18, 24, 30 dBu
(Balanced/unbalanced)

Dynamic Range (A-Out: 18, 24 dBu)

- >113 dB (unweighted), BW 20-20kHz

THD+N

- > -95 dB @ 1 kHz, -3 dBFS

Frequency Response

Output Sample Rate (*with linear filter)	@ 32 kHz	@44.1* kHz
+0/-0.3 dB	1.2 Hz-14.8 kHz	1.2 Hz-19.9 kHz
+0/-3 dB	0.2 Hz-15.6 kHz	0.2 Hz-20.6 kHz
Output Sample Rate (*with linear filter)	@ 48* kHz	@ 96 kHz
+0/-0.3 dB	1.2 Hz-20.3 kHz	1.2 Hz-44.4 kHz
+0/-3 dB	0.2 Hz-21.2 kHz	0.2-46.8 kHz

Crosstalk

- < 110 dB, 20 Hz - 20 kHz

D to A Conversion

- 24 bit (Multi-bit delta sigma sampling at 4.1/5.6 /6.1/6.1 MHz)

Selectable Sample Conversion Filters

- In/Out Sample Rate 32/96

Fixed filter

- In/Out Sample Rate 44.1/48

Filter choices

- Linear, Natural, Vintage, Bright & Standard

AES 8



In/Out

Connectors:

- D-SUB, 25 pole (8 channels AES/EBU in/out)

Format:

- AES/EBU (24bit)

Supported sample rates:

- 96 kHz
- 88,2 kHz
- 48 kHz
- 44,1 kHz
- 32 kHz

Intrinsic interface jitter:

- < 1 ns peak, BW: 700Hz to 100kHz

Digital output phase:

- < 3 % of sample period

Input variation before:

- sample slip +27 % / -73 % of sample period

Output Dither:

- HPF/TPDF dither 8-24 bit

Processing Delay:

- 0.15ms + 0.21 ms per Engine @ 48kHz
- 0.07 ms + 0.1 ms per Engine @ 96kHz

Frequency response DIO:

- DC to 23,9kHz +/- 0,01 dB @ 48kHz
- DC to 47,9kHz +/- 0,01 dB @ 96kHz

EMC

Complies with

- EN 55103-1 and EN 55103-2 FCC part 15 class B

Safety CISPR 22 class B

- Certified to IEC 60065, EN 60065, UL 6500 and CSA E6
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