S O t M

#202, Suseoplaza, (1557, Ssangyong-Dong) 84-9, Wolbong 4-ro, Seobuk-Gu, Cheonan-si, Chungnam, Korea (P.31171)
TEL +82-41-576-7663 **FAX** +82-41-576-7664

ULTIMATE HIGH PERFORMANCE AUDIO

S O t M

www.sotm-audio.com

SOTM INTRODUCTION

S O t M

Music which is always being with us is not just physical vibration in air, nor an object but exists in a sequence of rhythm arranged by melody and harmony. If such musical elements can reach to us by the physical ways, we will definitely feel Soul Of the Music™ and experience the whole of art, otherwise, music will be just an imagination which can't move our heart and our mind. In the past period of time, music could be delivered only by musician's physical performance, however, thanks to the drastic and continuous development of the technology, the great musician's performance can come alive without any distortion and move our soul even who have disappeared into the time.

SOtM™ is a very special brand which can deliver the Soul Of the Music™ through the cutting edge audio technology. SOtM™ will become the most important partner in your music life.

ULTIMATE

sMS-1000SQ WIN DOWS EDITION

- Audiophile Music Server and player
- Audio grade USB output(tX-USBexp)
- Digital and Analog outputs
- DSD & PCM support
- Roonserver for multi zone internet streaming audio system
- Various audio player application support
- Video playback support

SPECIFICATION

OS	Windows Server 2012 R2 or Windows 8.1
AVAILABLE AUDIO PLAYBACK SOFTWARE	Roon/ TIDAL / Qubuz / Foobar2000 / Jriver / PowerDVD / Etc.
BASIC STANDARD STORAGE	32G SSD for Windows Server 2012 R2 250G SSD for Windows 8.1 OS
OPTIONAL DATA STORAGE	max.4TB HDD or max.2TB SSD
USB OUTPUT MODEL	Audio grade USB 3.0 port (tX-USBexp) External power input jack USB power on/off switch USB audio class 2.0 support Support format : 32bit / 384KHz PCM, DSD
DIGITAL OUTPUT MODEL	AES / EBU, Coaxial, Optical output Support format : 24bit / 192KHz PCM

ANALOG OUTPUT MODEL	Balanced,Unbalanced output Balanced output voltage : 1.9Vrms Unbalanced output voltage : 0.95Vrms Support format : 32bit/192KHz PCM THD+N : 0.005% > @ 1KHz Output band width : -3dB@100KHz
POWER REQUIREMENT	Input Voltage : +19Vdc Power : Max 60W
OPERATING ENVIRONMENT	Operating temperature : +10 ~ +30°C Storage temperature : 0 ~ +40°C Operating & storage humidity : 10% ~ 90%
DIMENSIONS	360 x 68 x 240(mm)
WEIGHT	4 Kg>

ULTIMATE

sDP-1000EX

- High Performance DAC and Pre amplifier
- Various Digital and Analog inputs and Analog outputs
- 32bit / 384KHz PCM, DSDx64, DSDx128 support
- OLED display
- Remote control
- Full battery power supply
- Optional Ultra low noise linear power supply

SPECIFICATION

USB INPUT	USB specification 2.0 or higher USB audio class 2.0 32bit/384KHz PCM & DSDx64,DSDx128 playback Native ASIO support
OPTICAL, COAXIAL, AES/EBU INPUT	Max bit-depth : 24bit Sampling rate : 32KHz, 44.1KHz, 48KHz, 88.2KHz, 96KHz, 176.4KHz, 192KHz
IMPEDANCE	Coaxial, BNC : 75Ω AES/EBU : 110Ω
BALANCED INPUT	Max input voltage : 4 Vrms Input impedance : > 10kΩ Frequency range : 20~20KHz @ ±0.1dB
UNBALANCED INPUT	Max input voltage : 4 Vrms Input impedance : > 10kΩ Frequency range : 20~20KHz @ ±0.1dB
BALANCED OUTPUT	Output voltage at 0dB : 3.8 Vrms ±5% Output impedance : 47Ω ±5% Frequency range : 20~20KHz @ ±0.1dB THD : < 0.003% @ 1KHz, 0dB
UNBALANCED OUTPUT	Output voltage at 0dB : 3.8 Vrms ±5% Output impedance : 47Ω ±5% Frequency range : 20~20KHz @ ±0.1dB THD : < 0.003% @ 1KHz, 0dB
VOLUME CONTROL	Setting range : -75 ~ +10dB, 0.5dB step
CHARGING POWER INPUT	Input voltage : 9Vdc ±1% Max input current : 3A
OPERATING ENVIRONMENT	Operating temperature : 10°C ~ 35°C Storage temperature : -10°C ~ 50°C Operating & storage humidity : 10% ~ 90%
DIMENSIONS, WEIGHT	360 x 68 245(mm), 4 Kg>

ULTIMATE

sPA-1000

- Ultimate Stereo power amplifier
- Full balanced Class D amplifier
- Balanced Unbalanced input

SPECIFICATION

CLASS-D AMPLIFIER

Full balanced amplifier
Closed loop control for the best THD performance
4th Order LPF for Flat frequency response 200W Stereo

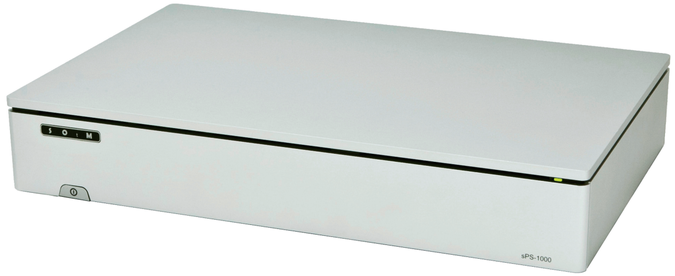
BALANCED, UNBALANCED ANALOG INPUT

REMOTE ON/OFF FUNCTITION

ULTIMATE

sPS-1000

- Ultra low noise linear power supply
- Selectable output voltage
- Multi rail output range
- Ultra Low Noise Regulator Circuit
- Output short Protection circuit
- Over-Temperature Protection circuit



SPECIFICATION

USER INTERFACE	DC output on/off switch Operating indicator AC power input on/off switch(Rear panel)
AC POWER INPUT	Voltage : 220Vac ~230Vac / 110Vac ~ 115Vac Frequency : 50Hz / 60Hz Current : 2A / 4A
PROTECTION	Output short Over temperature
DIMENSION	360 x 68 x 245(mm)

DC POWER OUTPUT	High level output - Voltage : 18Vdc, 19Vdc, 20Vdc, 21Vdc selectable - Current : 4A max Mid level - outputVoltage : 9Vdc, 10Vdc, 11Vdc, 12Vdc selectable - Current : 2A max Low level output - Voltage : 5Vdc, 5.5Vdc, 6Vdc, 7Vdc selectable - Current : 1A max

ADVANCED

sMS-200

- Mini network music player
- Roon Ready
- SqueezeLite
- DLNA Renderer
- MPD
- Logitech Media Server
- HQ Player NAA

SPECIFICATION

OS	Linux
AUDIO PLAYER	Roon Ready(Beta) DLNA renderer Music Player Daemon(MPD) Logitech Media Server(LMS) Squeezelite
AUDIO FEATURE	PCM 32bit/384KHz max, DSDx64, DSDx128, DSDx256 Ultra Low Jitter Clock Ultra Low Noise Regulator Active Noise canceller

USB PORT	High-End audio grade USB port x 1 USB 2.0 port x 2
ETHERNET PORT	RJ45 Gigabit Ethernet
POWER REQUIREMENT	Input Voltage : +6.5 ~ 14Vdc Power : Max 15W
OPERATING ENVIRONMENT	Operating temperature range: +10 ~ +30°C Storage temperature : 0 ~ +40°C Operating & storage humidity : 10% ~ 90%
DIMENSION	106 × 48 × 152(mm)
WEIGHT	1.5Kg >

ADVANCED

sHP-100

- High performance USB DAC and headphone amplifier
- USB / Coax / Optical / Analog input
- Headphone / unbalance line output
- 24bit / 192KHz PCM, DSD playback
- External power operation

SPECIFICATION

USB INPUT	USB specification 2.0 or higher USB audio class 2.0 Support 24bit / 44, 48, 88.2, 96, 176.4, 192PCM playback Support 64x DSD, 128x DSD playback Native ASIO support
COAXIAL, OPTICAL INPUT	Max bit-depth : 24bit Sampling rate : 32, 44.1, 48, 88.2, 96, 176.4, 192KHz Coaxial impedance : 75Ω
ANALOG INPUT	Maximum input voltage : 2Vrms 3.5mm stereo jackc
HEADPHONE OUTPUT	Maximum output voltage @ low impedance output select : 0V ~ 2.1 Vrms (± 0.1Vrms) High impedance output voltage gain : 4 Output impedance : 13Ω (include headphone amplifier chip) THD+N : < 0.005% @ 1KHz, maximum output level
LINE OUTPUT	Fixed level output voltage : 2.7Vrms (± 0.1Vrms) Variable level output voltage : Refer headphone output voltage Output impedance : 47Ω THD+N : < 0.002% @ 1KHz, maximum output level
INDICATE LAMP	Input select lamp x 4 : USB, Coaxial, Optical, Analog Mute indicate : Blink
POWER INPUT	Input voltage range : 7Vdc ~ 9Vdc Input current : 2A max
OPERATION ENVIRONMENT	Operating temperature : 10 ~ 35°C Storage temperature : -10 ~ 50°C Operating & storage humidity : 10% ~ 90%
DIMENSIONS, WEIGHT	106 x 53 x 175(mm), 1Kg >

ADVANCED

dX-USB HD

- USB to Digital Audio interface
- Asynchronous clock mode
- Bit-transparent operation
- USB power and external power operations
- AES / EBU,Coaxial,Optical output
- sCLK-2224 clock module option

SPECIFICATION

USB INPUT	USB 2.0 high speed / USB audio class 2.0 44.1 / 48 / 88.2 / 96 / 176.4 / 192KHz sampling rate Max 24bit PCM audio data
COAXIAL OUTPUT	Output impedance : 75 ohm Minimum output voltage : 0.5Vpp 44.1 / 48 / 88.2 / 96 / 176.4 / 192KHz sampling rate Max 24bit PCM audio data
OPTICAL OUTPUT	Maximum data rate : 12.8Mbps(NRZ code) Output power range : -21dBm~-15dBm Peak emission wavelength : 650nm 44.1 / 48 / 88.2 / 96 / 176.4 / 192KHz sampling rate Max 24bit PCM audio data
BIT-TRANSPARENT OPERATION WINDOWS OS/LINUX/ MAC OS-X INDICATE LED	Power source x 2 Sampling rate x 4
AES/EBU OUTPUT	Output impedance : 110ohm Minimum output voltage : 2Vpp 44.1 / 48 / 88.2 / 96 / 176.4 / 192KHz sampling rate Max 24bit PCM audio data Sampling rate auto detect and display Asynchronous mode operation
POWER REQUIREMENT	USB power : +5Vdc External power range : +7Vdc ~ +9.0Vdc Power : 500mA>
POWER REGULATION CIRCUIT	Ultra low noise regulator circuit USB power only operating External power input connector for external power supply Automatic power source switching
DIMENSIONS, WEIGHT	105 x 53 x 150(mm), 1Kg>

ADVANCED

mBPs-d2s

- Intelligent dual battery power supply
- Ultra Low Noise Regulator
- Automatic Charge&Output Battery Power
- Indicate Operating status

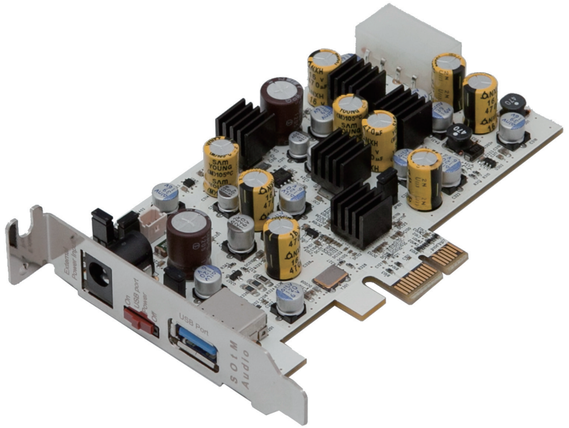
SPECIFICATION

POWER INPUT : 5,5MM X 2,1MM DC JACK	Voltage : 9Vdc Current : 1.5A
POWER OUTPUT : 5,5MM X 2,5MM DC JACK	Battery output voltage : 6.5Vdc ~ 8.4Vdc Output voltage Range : 6Vdc ~ 9Vdc Current : 1.5A
BATTERY CHARGE	Charging current : 0.65A Charging voltage : 8.4Vdc Max charging time : 6 hour Battery protection auto recovery
PROTECTION	Input over current Output short Battery over voltage Battery under voltage
DIMENSION	106 × 48 × 152(mm)

ACCESSORIES

tX-USBexp

- Advanced audio grade PCIe USB host card
- PCIe USB 3.0 host interface card
- External power input
- USB port power ON/OFF switch



SPECIFICATION

PCI EXPRESS USB INTERFACE CHIP SET	USB 3.0 Compliant x HCI host controller Support SS(5Gbps), HS(480 Mbps), FS (12 Mbps), LS (1.5 Mbps) PCIe x1 Gen2 interface
INTERNAL POWER INPUT	Input voltage : +12.0V(+0.5V, -0.5V) Input current : 2A 4pin IDE power connector
EXTERNAL POWER INPUT	Input voltage : +6.5V ~ +9Vdc Input current : 2A max 5.5mm OD, 2.1mm ID DC adaptor jack
USB PORT OUTPUT POWER	Output voltage : +5.0V(+0.5V, -0.25V) Over current protection : 1.5A at 20°C Recommend output current : 0.5A >
OPERATING ENVIRONMENT	Operating temperature : 0°C ~ 30°C Storage temp erature : -10°C ~ 50°C Operating & storage humidity : 10% ~ 90%
OS SUPPORT	Windows 7 or higher version Linux

ACCESSORIES

tX-USBhubIN

- In Line SATA power noise filter
- 2 ports USB hub
- USB port power ON/OFF switch
- External power input

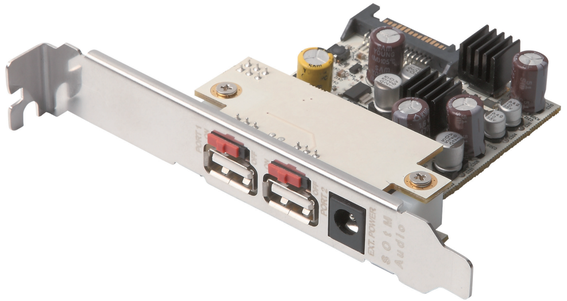
SPECIFICATION

USB HOST INTERFACE	3 pins internal USB signal connector Connecting to the computer main board USB header by an internal
USB OUTPUT PORTS	Type A USB 2.0 connector x 2 USB power on/off switch
USB INTERFACE CHIP SET	USB 2.0 Compliant HUB controller HS(480 Mbps), FS(12 Mbps), LS(1.5 Mbps) support
INTERNAL POWER INPUT	Input voltage : +12.0V(+0.5V, -0.5V) Input current : 2A max 15pin SATA power connector
EXTERNAL POWER INPUT	Automatic external power selection Input voltage : +6.5V ~ +9Vdc Input current : 2A max 5.5mm OD, 2.1mm ID adaptor jack
USB PORT OUTPUT POWER	Output voltage : +5.0V(+0.5V, -0.25V) Over current protection : 0.8A at 20°C Recommend output current : 0.5A >
OPERATING ENVIRONMENT	Operating temperature : +10 ~ +30°C Storage temperature : 0 ~ +40°C Operating & storage humidity : 10% ~ 90%

ACCESSORIES

tX-USBhubEX

- In Line SATA power noise filter
- 2 ports USB hub
- USB port power ON/OFF switch
- External power input



SPECIFICATION

USB HOST INTERFACE	3 pins internal USB signal connector Connecting to the computer main board USB header by an internal
USB OUTPUT PORTS	Type A USB 2.0 connector x 2 USB power on/off switch
USB INTERFACE CHIP SET	USB 2.0 Compliant HUB controller HS(480 Mbps), FS(12 Mbps), LS(1.5 Mbps) support
INTERNAL POWER INPUT	Input voltage : +12.0V(+0.5V, -0.5V) Input current : 2A max 15pin SATA power connector
EXTERNAL POWER INPUT	Automatic external power selection Input voltage : +6.5V ~ +9Vdc Input current : 2A max 5.5mm OD, 2.1mm ID adaptor jack
USB PORT OUTPUT POWER	Output voltage : +5.0V(+0.5V, -0.25V) Over current protection : 0.8A at 20°C Recommend output current : 0.5A >
OPERATING ENVIRONMENT	Operating temperature : +10 ~ +30°C Storage temperature : 0 ~ +40°C Operating & storage humidity : 10% ~ 90%

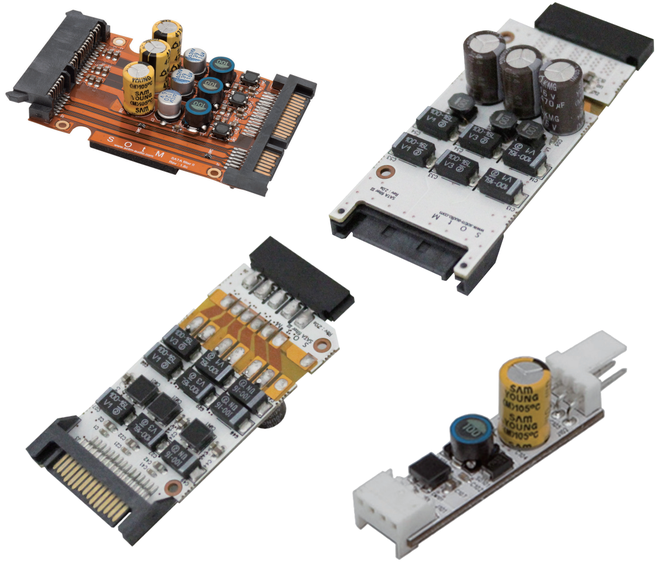
ACCESSORIES

SATA Filter II & III

- In Line SATA power noise filter
- SATA device noise reduction
- Flexible PCB

SPECIFICATION

NOISE FILTERING VOLTAGE	+2V / +5V / +3V
CURRENT CAPACITY	2A max
SATA SIGNAL SUPPORT	SATA 2.0 specification



ACCESSORIES

FAN filter

- In Line FAN noise filter
- FAN noise reduction
- 4pin / 3pin FAN support

SPECIFICATION

CURRENT CAPACITY	2A max

ACCESSORIES

sCLK-XXXX

- Ultra low phase noise custom design oscillation circuit
- Dual clock system : Clock select input
- Single clock system
- Wide operating voltage input range
- Ultra low noise +5V output for system operation

SPECIFICATION

OPERATING VOLTAGE RANGE	6.5Vdc ~ 9Vdc (optional 12Vdc input available)
SINGLE CLOCK CIRCUIT FOR INTERFACE SYSTEM	sCLK-12 : 12MHz sCLK-48 : 48MHz Optional other frequency available
CONTROL INPUT	Clock select 1 : Low Clock select 2 : High
CLOCK SELECT 1 : LOW CLOCK SELECT 2 : HIGH	

CLOCK CIRCUIT OPERATING CURRENT : 0,3A >
ULTRA LOW NOISE REGULATOR
ACTIVE NOISE CANCELLER CIRCUIT
TRANSFORMER ISOLATED CLOCK SIGNAL OUTPUT
DUAL INDEPENDENT CLOCK CIRCUIT FOR DIGITAL AUDIO SYSTEM

sCLK-2224 : 22.5792MHz, 24.576MHz
sCLK-1124 : 11.2896MHz, 24.576MHz
Optional other frequency available

ACCESSORIES

eABS-100

- Noise removal up to 6GHz possible
- Easy to install with double-sided tape

ACCESSORIES

iSO-CAT6

- LAN signal noise elimination
- LAN signal filter
- LAN signal isolator
- LAN signal insulator

SPECIFICATION

ISOLATOR SPECIFICATION	CAT6 support Fully shielded modular jack High quality isolation transformer Isolation 1500Vrms, 0.5mA, 60sec
OTHERS	High-end audio grade sound tuning No need external power supply
ISO-CAT6 SPECIAL EDITION SUPPLIED LAN CABLES	Black : High resolution and dynamin Grey : Moderate Dark grey : Mild and comfortable

CABLES

dCBL-CAT6

- High performance LAN cable
- Audio Ethernet Cable

SPECIFICATION

ELECTRONIC SPECIFICATION	High-end audio grade SFTP cable CAT6(TIA/EIA-568b.2-1 specification) support Fully shielded SFTP RJ45 connector(Standard)
OPTIONAL SPECIFICATION	High quality zinc die casting housing connector Lengths from 1M up to 20MC
OPERATING ENVIRONMENT	Operating & Storage temperature : 0 ~ +40°C Operating & storage humidity : 10% ~ 90%

CABLES

dCBL-CAT7

- High-end audio grade SFTP cable
- High quality zinc die casting housing connector
- Noise filter block for superior tonal balance and sound quality

SPECIFICATION

ELECTRONIC SPECIFICATION	Impedance : 100 Ohm (±15%) Support 10 / 100 / 1000Base-T, 10GBase-T
MECHANICAL SPECIFICATION	Cable outer diameter : 10mm (±1mm) Noise filter block dimension(mm) : 120 x 25 x 25 (±0.5mm) Gold plated contacts Nikel plated zinc diecast connector body Aluminium-lined plastic foil & copper braid shield

OPTIONAL SPECIFICATION	Lengths from 1.5M up to 20M iSO-CAT6 Special Edition : Selectable sound character – High resolution and dynamic – Moderate – Mild and comfortable
OPERATING ENVIRONMENT	Operating & Storage temperature : 0 ~ +40°C

CABLES

dCBL-U2

- LAN signal noise elimination
- LAN signal filter
- LAN signal isolator
- LAN signal insulator

SPECIFICATION

USB A-B CONNECTOR	Support USB 2.0 Low-speed, Full-speed, High-speed
USB POWE SIGNAL RATING	5Vdc 500mA max
CONDUCTOR OPTION	dCBL-U2-S : UPOCC silver dCBL-U2-C : UPOCC cooper
CABLING OPTION	USB data signal only USB data signal&USB power signal
LENGTH OPTION	1M, 1.5M, 2M