SONY

PWS-110MG1

Short-depth Media Gateway Workstation

Overview

Controls 4K and HD file transfers to and from the PWS-4500

The PWS-110MG1 is a short-depth 1U rack-mount server with pre-installed PWA-MGW1 Media Gateway Software. It allows you to archive recorded files from the PWS-4500 server to removable media such Professional HDD, Sony's Optical Disc Archive or to NAS external media. Additionally, you can retrieve files from removable media to the PWS-4500 server. Other available features include chase transfer, check-in to Non-Linear Editing (NLE) and material previews.

Lighter, shorter version of PWS-100MG1

The PWS-110MG1 is the short-depth version of the PWS-100MG1. The PWS-110MG1 chassis is 130mm / 5 1/4 inches shorter and 3.8 kg / 8lb lighter.

Features

Archive recorded files from the PWS-4500 servers to removable media
The PWS-100MG1 provides access to external media such as USB HDD, Sony SxS memory media, Sony Professional Disc (PD), Sony Optical Disc Archive (ODA) and NAS external media.

Integrate with Avid and other editing systems
The system allows users to retrieve files from the removable

media to the PWS-4500 server. Users can also chase transfer and check-in to Avid ISIS/Interplay systems.

Audio file (WAV) imports

The system allows audio file (WAV) imports from other devices to be uploaded to the PWS-4500. The WAV files are transcoded to MXF file during the import process.

Video transcoding when archiving and retrieving files

With the optional PWA-MGW1B l Video Transcode Software license key on the PWS-100MG1, users can also achieve video transcoding when archiving and retrieving files. The licence supports the following formats:
XAVC-I QFHD 480/QFHD 300/HD 100 MXF
XDCAM MPEG HD422 50 Mbps MXF
Avid DNxHD® 220x/145/45 422 MXF
XAVC-L QFHD 60/HD 25 MXF
XAVC S QFHD /HD MP4
H.264 (AVC/AAC) QFHD/HD MP4

Internal cache storage capacity

The system has a pre-installed 1.2TB PCle SSD card for cache storage.

Specifications

General	
Power requirement	100V to 240V AC, 50/60 Hz
Power consumption - Max	235W
Power consumption - Standby	3W or lower

Operating temperature	5 ~ 35 C (41 ~ 95 F)
Storage temperature	-20 ~ 55 C (-4 ~ 131 F)
Operating humidity	20% to 90% (relative humidity)
Storage humidity	75% or lower
Mass / weight	10.2 kg (22 lb. 7.8 oz.)
Dimensions (width / height / depth)	440 x 43.6 x 507 mm (17 3/8 x 1 3/4 x 20 inch)

Inputs/Outputs

LAN1/2	RJ-45 x 2port (1000BASE-T,100BASE-TX)
LAN	SFP+ slot 10GBase-SR or 10GBase-LR (when an SFP+ module is installed*) Intel Ethernet Converged Network Adapter X520- DA1 *Use the following SFP+ module Intel Ethernet SFP+ SR Optic (E10GSFPSR) Intel Ethernet SFP+ LR Optic (E10GSFPLR)
	- Super Speed USB (USB 3.0) Type

USB	A - Total 6 ports (2 on front and 4 on rear) - Front: Power delivery support (900 mA/port) - Rear: Power delivery support on bottom right port (900 mA), not supported on other three ports
HDMI	Type A, HDMI Version 1.4a, 1920x1200 maximum resolution, 60 Hz
Display Port	Display Port Version 1.1a, 2560 x 1600 maximum resolution, 60 Hz

PC Spec

Processor	Intel Core i7-3770 (3.4 GHz)
Memory	8 Giga Bytes
OS drive	m-SATA 60GB x 1
Data drive	1.2 TB PCIe SSD
Expansion bus	PCIe Gen2 8Lane (30 W) x 2

Note

	The PWS-100MG1's X520-DA1 10G

* NIC is NOT equipped with the transceiver module. Either E10GSFPSR (Short Reach) or E10GSFPLR (Long Reach) needs to be installed locally.

Related products

ODS-D77UA

ODS-D77UA has very high transfer speeds. Read is 1.1Gbps. Write-once is 440 Mbps and Rewritable is 160 Mbps (verify on). Performance varies based on type of cartridge.

ODS-D55U

Optical Disc Archive standalone drive unit with transfer speeds 330 Mbps (read) and 210 Mbps (write-once disc) or 130 Mbps (rewritable disc)

PWA-MGW1B

Video Transcode Software

PWSK-4403

PWS-4403 Control Panel

PWS-110PR1

Short-depth Production Control Workstation

BPU-4800

4K / HD baseband processor unit and UHFR server for HDC-4800 system camera

Gallery