

## 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 | 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 PCIe 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	<p>SFP+ slot</p> <p>10GBase-SR or 10GBase-LR (when an SFP+ module is installed*)</p> <p>Intel Ethernet Converged Network Adapter X520- DA1</p> <p>*Use the following SFP+ module</p> <p>Intel Ethernet SFP+ SR Optic (E10GSFPSR)</p> <p>Intel Ethernet SFP+ LR Optic (E10GSFPLR)</p>
	- 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
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HDMI	Type A, HDMI Version 1.4a, 1920x1200 maximum resolution, 60 Hz
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Display Port	Display Port Version 1.1a, 2560 x 1600 maximum resolution, 60 Hz
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## PC Spec

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

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

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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

