

## PWS-100MG1

### Media Gateway Workstation



#### Overview

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

The PWS-100MG1 is a 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.

#### 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

### **Large cache storage capacity**

The system has 5TB internal HDD capacity 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°C to 35°C (41°F to 95°F)
Storage temperature	-20°C to 55°C (-4°F to 131°F)

Operating humidity	20% to 90% (relative humidity)
Storage humidity	75% or lower
Mass / weight	14 kg (30 lb 14 oz)
Dimensions (width / height / depth)	440 x 43.6 x 640 (17 3/8 x 1 3/4 x 25 1/4)

## Inputs/Outputs

LAN	RJ-45 x 2port (1000BASE-T, 100BASE-TX), SFP+ (x1) 10GBASE-SR/LR (Add-in Card)*1 *2
USB	<ul style="list-style-type: none"> <li>- Super Speed USB (USB 3.0) Type A</li> <li>- Total 6 ports (2 on front and 4 on rear)</li> <li>- Front: Power delivery support (900 mA/port)</li> <li>- Rear: Power delivery support on bottom right port (900 mA), not supported on other three ports</li> </ul>
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

*1	Network card connected to the unit (Intel Ethernet Converged Network Adapter X520-DA1)
*2	Available only when an SFP+ module is installed.

## 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 (verification). Performance



### 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



### PWS-4500

Next-generation 4K/HD live production server with IP technology

varies based on type  
of cartridge.



## **PWS- 110PR1**

Short-depth  
Production Control  
Workstation



## **PWSK- 4403**

PWS-4403 Control  
Panel



## **BPU-4800**

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

## Gallery

