

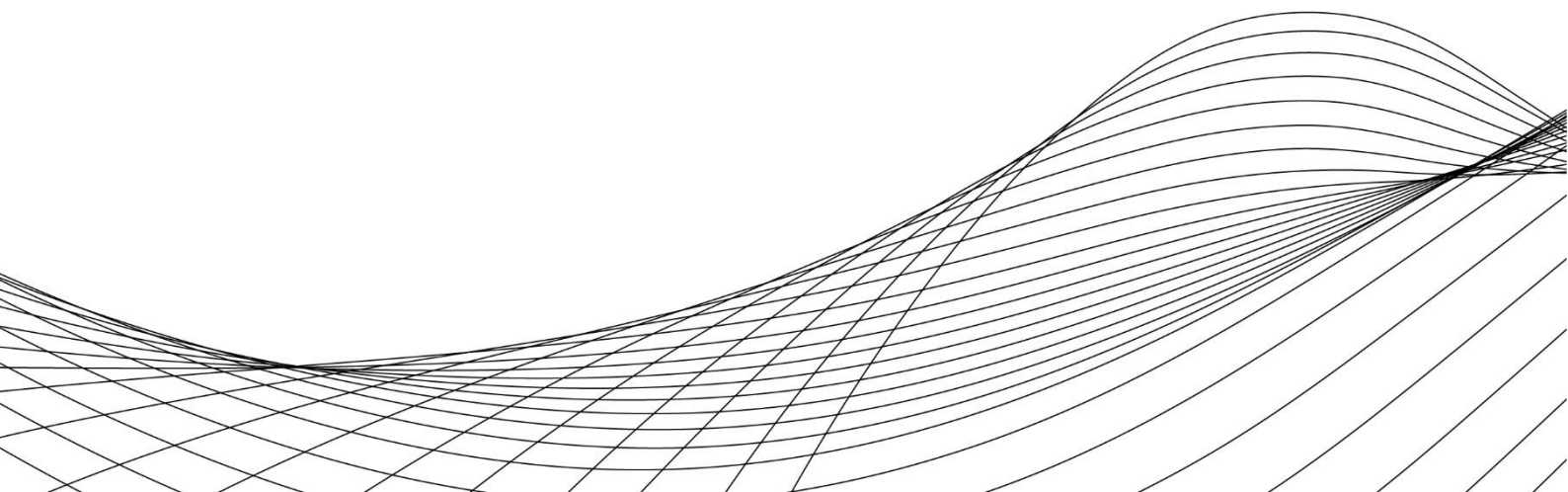


8 Sata Management and Storage Server

PLC-MSA708M1-AO

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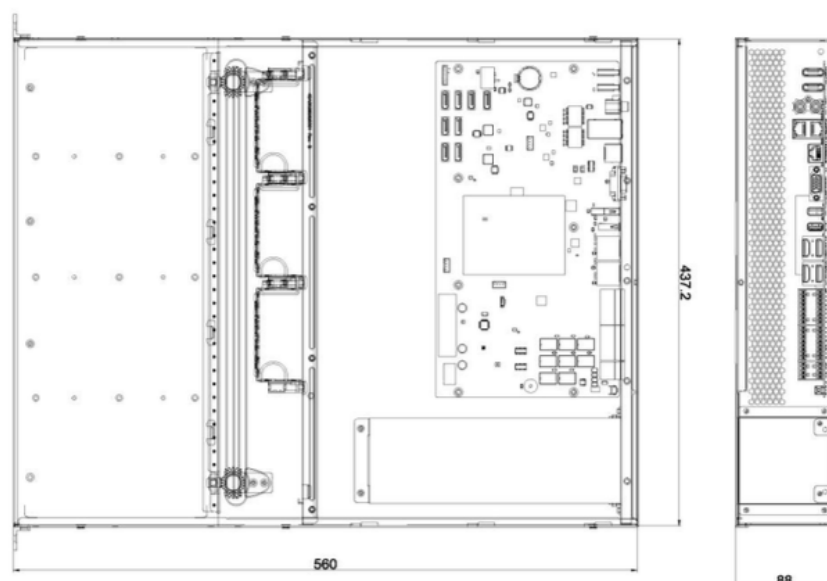


Key Features:

- ❖ High-Performance ARM 8-Core 64-bit AI Processor
- ❖ Linux Operating System for stability & security
- ❖ 8GB LPDDR4 RAM + 64GB eMMC Storage
- ❖ Supports up to 16MP Camera Resolution
- ❖ H.265S / H.265+ / H.265 / H.264 Video Compression
- ❖ Multiple 4K Outputs – VGA + 4× HDMI (up to 3840×2160)
- ❖ Ultra-High Decoding Capability (16MP / 12MP / 8MP streams)
- ❖ Simultaneous Playback of 16 Channels
- ❖ Supports up to 1000 IP Channels
- ❖ Massive Bandwidth: 768 Mbps incoming, 256 Mbps outgoing
- ❖ Advanced AI Face Recognition – 50,000 face database
- ❖ Vehicle & License Plate Recognition – 10,000 plates
- ❖ Supports RAID 0/1/5/6/10 for data protection
- ❖ 8× SATA HDD Slots, up to 80TB total storage
- ❖ Up to 16 TV Walls with 64 Display Plans
- ❖ 256 Devices Supported (including third-party ONVIF)
- ❖ 64 Online Users Supported Simultaneously
- ❖ Redundant Power Supply for high reliability
- ❖ Enterprise-Grade Metal Chassis for 24/7 operation
- ❖ Ideal for Command Centers & Mega Surveillance Projects



Dimensions:



Specifications:

Model	PLC-MSA708M1-A0
CPU	ARM 8-core 64bit AI high performance
Operation System	Linux
Memory	LPDDR4 8G, 64GB EMMC
Video Output	VGA×1: 1920*1080 (VGA and HDMI output the same video source) HDMI1: 3840× 2160@60, 3840× 2160@30, 1920× 1080 HDMI2: 3840× 2160@60, 3840× 2160@30, 1920× 1080 HDMI3: 3840× 2160@60, 3840× 2160@30, 1920× 1080 HDMI4: 1920× 1080
Video Compression	H.264/H.265/H.265+/H.265S
Audio Output	1CH audio output (MONO Out) Support HDMI1 audio output
Audio Compression	G.711(U/A)
Max. number of preview	104(36+36+16+16)
Max. Resolution	16MP
Decoding Capability	1 × 16MP or 4 × 12MP or 6 × 8MP (only available for main output)
Simultaneous Playback	16CH
Decoding Capability	1 × 16MP or 4 × 12MP or 6 × 8MP (only available for main output)
Users	64 online users and 64 total users
Max. Number of Channel Access	1000CH
Max. Number of Device Access	256 devices
Max. Number of Decoding Output	64
Max. Number of Transfer Server Access	1
Max. Number of Storage Server Access	1
Max. Channel Number of Recording per Storage Server	128
Max. Number of Channel Access of Third-party protocol	1000
Max. Number of Device Access of Third-party protocol	256
Max. Channel Number of Simultaneous Preview	256 (for one client/user)
Max. Channel Number of Simultaneous Playback	16 (for one client/user)
Max. Number of Views	Up to 64 view plans can be created

Max. Number of Channel Access of Single Transfer Service	1000
Max. Number of Device Access of Single Transfer Service	256
Incoming Bandwidth	768Mbps
Outgoing Bandwidth	256Mbps
Storage Bandwidth	512Mbps
Face Database	A maximum of 50,000 face pictures can be registered Comparison Capability: 30 pictures/second
Vehicle Database	A maximum of 10,000 license plates can be registered Comparison Capability: 25 pictures/second
Fisheye Camera Access	Support 1CH fisheye camera to set fisheye mode
Number of TV Wall	Max. 16 TV walls can be created
TV Wall Plan per TV Wall	Max. 64 plans can be set for each TV wall
Ethernet Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet ports
Storage	SATA3.0 x 8 up to 10TB per HDD; Supports RAID0,1,5,6,10
E-SATA Interface	E-SATA x 2
Alarm	16CH alarm input; 8CH alarm output
USB	USB3.0 x 1 , USB 2.0 x 3
RS485	Full-duplex (currently no function)
RS232	Currently no function
Power	Redundant power supply, AC100V ~ 240V
Power Consumption	≤50 W (without HDD)
Working Temperature	-10°C - +50°C
Relative Humidity	10% ~ 90%
Dimensions	560 × 437.2 × 88mm
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC1907/2006)