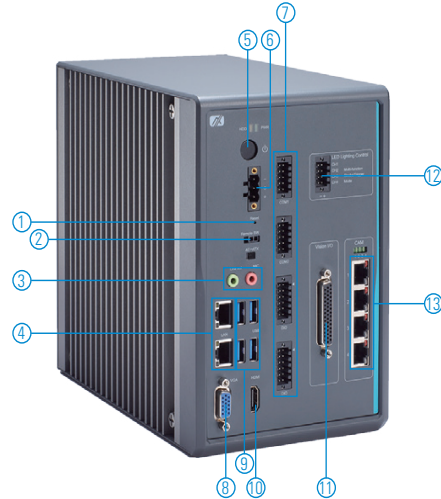


# MVS900-512-FL NEW

Fanless Vision System with LGA1151 Socket 7th/6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® Q170, Vision I/O, 4-CH PoE and 4-CH LED Output

## Features

- Integrated real-time vision I/O
  - 4-CH trigger input
  - 4 trigger output
  - 4-CH LED lighting control
  - 2-CH quadrature encoder input
  - 16-CH isolated DIO
- Supports camera interfaces
  - 4 IEEE802.3at GbE LAN ports (PoE)
- Power input: 24 VDC (uMin=19V/uMax=30V)
- -10°C to +60°C operating temperature range with W.T. SSD
- Supports 2 swappable 2.5" HDD
- Supports TPM 2.0 function



- |                      |                                  |   |
|----------------------|----------------------------------|---|
| 1. Reset switch      | 7. 2 x RS-232/422/485            | 11. Vision I/O: 4-in/4-out trigger I/O, |
| 2. Remote switch     | 1 x 8-in/8-out DIO with isolated | 8-in/8-out DIO, 2 x encoder             |
| 3. Mic-in & Line-out | 1.5 kVDC protection              | 12. LED lighting control: trigger and   |
| 4. 2 x LAN           | 8. VGA                           | strobe mode                             |
| 5. Power switch      | 9. 4 x USB 3.0                   | 13. 4 x IEEE802.3at GbE LAN port        |
| 6. Terminal block    | 10. HDMI                         |   |



## Specifications

Standard Color	Black
Construction	Aluminum die-casting and heavy-duty, IP40
Processor System	CPU Level 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors, up to 65W (Kaby Lake/Skylake) Chipset Intel® Q170
System Memory	2 x DDR4-2133/2400 un-buffered SO-DIMM, up to 32GB
System I/O	1 x Switch for power On/Off (ATX) 1 x Remote switch 1 x Reset switch 1 x 3-pin terminal block 1 x AT/ATX selectable switch 2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT) 2 x RS-232/422/485 & 1 x 8-in/8-out DIO with isolated 1.5 kVDC protection 4 x USB 3.0 1 x HDMI 1 x VGA 1 x Mic-in 1 x Line-out 1 x Internal USB connector
TPM	TPM 2.0
Vision I/O	- 4-CH trigger input (response time<1us, sink type, input range: 0 to 30V) - 4-CH trigger output (response time<1us, sink type, open collector, output range: 0 to 30V, 100mA max./CH) - 4-CH LED lighting control (strobe mode: 24V, 1A per CH/trigger mode: 24V, 0.5A per CH) - 2-CH quadrature encoder input (A/B/Z) - 8-CH isolated DI (sink/source type, input range: 0 to 30V) - 8-CH isolated DO(sink type, open collector, supply voltage: 5-30V, 200mA max./CH) - Programmable interrupt functions

Camera Interface	4 x IEEE802.3at GbE LAN port (PoE, Intel® i210-AT, IEEE802.3at compliant, total max. power output 60W)
Expansion Interface	1 x Full-size PCI Express Mini Card slot with USB & PCIe signal 1 x M.2 2280 Key M slot, PCIe X4 Gen3 for NVMe SSD
Storage	2 x 2.5" swappable HDD (9.5 mm height)
System Indicators	1 x Power LED 1 x HDD LED 4 x PoE power LED
Power Input	Type: ATX/AT Input: 24 VDC (uMin=19V/uMax=30V)
Operating Temperature	-10°C to +60°C (+14°F to +140°F) with 6th gen Intel® Core™ up to 35W and W.T. HDD/SSD* -10°C to +50°C (+14°F to +112°F) with 6th/7th gen Intel® Core™ up to 65W and W.T. HDD/SSD*
Storage Temperature	-20°C to +80°C (-4°F to +176°F)
Humidity	10% to 90%, non-condensing
Dimensions	135 mm (5.31") (W) x 210 mm (8.27") (H) x 230 mm (9.06") (D)
Weight (net/gross)	TBC
Certifications	CE, FCC
Software Support	AMS.AXView

\* CPU support list please refer to the user's manual

## Ordering Information

### System

MVS900-512-FL	Fanless vision system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® Q170, vision I/O, 4-CH PoE and 4-CH LED output
---------------	---

### Optional

5A244AP1200E	44-pin DIN-rail terminal board DM44-AP12
594DM443500E	44-pin D-SUB cable, L=1m WHDM44/1.0-6954
594DM443510E	44-pin D-SUB cable, L=2m WHDM44/2.0-6954
594DM443520E	44-pin D-SUB cable, L=3m WHDM44/3.0-6954

\* Specifications and certifications may vary based on different requirements.

## Power Protection

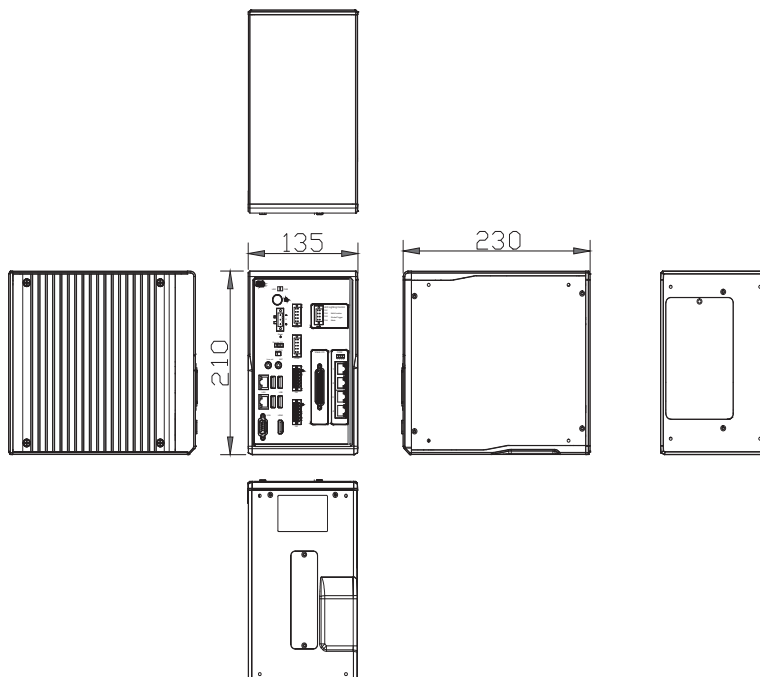
### DC Version

OVP (over voltage protection)
SCP (short circuit protection)
OCP (over current protection)

## Packing List

1 x MVS900-512-FL
1 x Screw pack
4 x Foot pad
1 x CPU grease
1 x Terminal block
1 x Remote power switch cable
1 x Holder bracket

## Dimensions



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660