



MAGOS EDGE AI APPLIANCE

KEY FEATURES

- AI Inference System Based on Nvidia® and Orin™ NX
- Fanless and ultra-compact design
- Bundle option available with preloaded Magos MASS & AI processing technology
- Supports any ONVIF®-compliant cameras
- Supports up to 2 PTZ cameras concurrently and can be stacked with more appliances to fit any number of cameras and radars



SPECIFICATIONS

PROCESSOR SYSTEM

CPU
6-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU (1.5MB L2 + 4MB L3)

GPU
1024-core Nvidia Ampere GPU with 32 Tensor Cores

Memory
8GB RAM LPDDR5

I/O

Ethernet
1 x 10/100/1000 Mbps

Display
HDMI (Max. resolution 3840x2160 @ 60Hz)

USB
External: 2 x USB 3.2 Gen 1, 1 x USB 2.0
Internal: 1 x USB 2.0 (by pin header)

OTG USB
1 x Micro USB

EXPANSION

Mini PCIe
1 x mPCIe (Signal: PCIe + USB 2.0)

M.2
1 x M.2 3052 (B-Key, Signal: USB)

SIM
2 x Nano SIM slots

STORAGE

M.2
1 x M.2 2280 (M-Key, NVMe, Signal: PCIe x4)

SD Card
1 x Micro SD

POWER

Mode
Terminal block, 2-pin, AT

Input Voltage
9 ~ 36 VDC, 25W

ENVIRONMENTAL

Operating Temperature
-10 ~ 60 °C with 0.7 m/s airflow

Operating Humidity
95% @ 40 °C (non-condensing)

Vibration
3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis

Shock
10G / 11ms

CERTIFICATIONS

CB/UL/CE/FCC/BSMI/CCC (No RED certification)

MECHANICAL

Dimensions (W x D x H)
130 x 130 x 46 mm (5.1" x 5.1" x 1.8")

Weight
1.2 kg (2.65 lb)

Installation
Desktop / Wall mount

BSP

Jetpack
Above 5.1

ORDERING P/N

Magos Edge AI Appliance Bundle
MSA1558A-BU
Edge AI Appliance preloaded with MASS and 2 AI-PTZ licenses.

Magos Edge AI Appliance
MSA1558A
Edge AI Appliance for 2 PTZ cameras.
Industrial grade, Micro form factor.