# IL-AIO-AI-M SERIES

## IRONLINK® CLOUD MANAGED ALL-IN-ONE AI NVR FOR MILESTONE

## PRODUCT OVERVIEW

The IL-AIO-AI-M is an intelligent IP video surveillance appliance purpose-built for Milestone XProtect® that provides scalability and high tech security features in one unit. This solution combines a managed switch, PoE, storage, and AI accelerator options, all bundled with health monitoring for edge video recording and viewing. Models include 8, 16, and 24-port appliances with a 12th Gen Intel® Core™ processor. More than an NVR, these appliances offer a low total cost of ownership and leverage Canopy Cloud RMM at no extra cost for remote device management that significantly reduces truck rolls to customer sites, saving time and money.

## KEY FEATURES

- Up to 96TB of Raw Storage
- 12th Gen Intel® Core™ Processor
- Built-in 8/16/24 PoE Port, 802.3af/at
- Powered by the Hailo-8 Inferencing Module

- 4-Stream Perpetual CVEDIA License Included
- Milestone Preloaded and License-Ready
- Canopy Remote Management Onboard
- 3-Year NBD Advanced Replacement with KYHD

20240916.2

# IL-AIO-AI-M SERIES

## IRONLINK® CLOUD MANAGED ALL-IN-ONE AI NVR FOR MILESTONE

## FEATURES

- ★ H.264/H.265 recording and playback

- ★ 3MP/5MP/4K IP camera support

- ★ (2) Built-in HDMI and (1-2) DisplayPort outputs

- ★ Supports 4K/2K/1080p local display output

- ★ Built-in 8/16/24 PoE port, 802.3af/at

- ★ (2) Built-in 2.5G WAN and 1/2x Giga LAN ports

- ★ Built-in USB 3.2, Gen II

- ★ (3-4) Built-in M.2 interface for feature expandability

- ★ Built-in digital-input / relay-out + RS232/RS485

- ★ Display layout customizable by user

- ★ System status monitor (CPU, Memory, Network, Fan, HDD, Temperature)

- ★ Supports PoE management + power budget control

- ★ iSCSI NAS Storage support (16/24 port model only)

- ★ VA event management

- ★ VCA (video content analysis) report

- ★ Support TPM 2.0 (FIPS 140-2*/FIPS 140-3*)

- ★ Standard PCIe card supporting for specific function

- ★ Up to 128 CH real-time live display or playback

20240916.2

# IL-AIO-AI-M SERIES SPECIFICATIONS

**IRON LINK**
POWERED BY VELASEA

| MODEL NAME | IL-AIO-AI-M-8PH | IL-AIO-AI-M-16PH | IL-AIO-AI-M-24PH |
|---|---|---|---|
| **System** | | | |
| Operating System | Embedded Windows® 10 / Ubuntu® Linux | | |
| CPU | Intel® Alder Lake i3, i7 (Optional: i5) | Intel® Alder Lake i5 (Optional: i3/i7) | Intel® Alder Lake i7, i9 (Optional: i3/i5) |
| RAM | (2) DDR5, 8GB \| Optional: (2) 16GB | | |
| Boot Drive (PCIe x4) | M.2 SSD, 512GB | | |
| Graphics | Intel® UHD Graphics 730 / 770 | | |
| AI Accelerator | Hailo-8 Inferencing Module | | |
| DisplayPort Output | (1) Up to 7680x4320 @60Hz | (2) Up to 7680x4320 @60Hz | |
| HDMI Output | (2) Up to 4096x2160 @60Hz | | |
| Audio Input | (1) 3.5 mm TRS Jack | | |
| Audio Output | (1) 3.5 mm TRS Jack | | |
| USB Port | FRONT: (2) USB 2.0; (2) USB 3.2 REAR: (1) USB 3.2, Type-C | FRONT: (2) USB 2.0; (1) USB 3.2 REAR: (1) USB 3.2; (1) USB 3.2, Type-C | |
| **Recording + Playback*** | | | |
| IPCAM Throughput | Average: 320Mbps Peak: 420Mbps (with i3) | Average: 640Mbps Peak: 840Mbps (with i5) | |
| GPU Hardware Decoding | 64CH real-time display (with i3) Up to 1920 fps @ D1 decoding | 128CH real-time display (with i5) Up to 3840 fps @ D1 decoding | |
| Compression Format | H.264 / H.265 | | |
| **Storage + I/O** | | | |
| SATA Interface | (1) 3.5" SATA | (4) 3.5" SATA | |
| eSATA Interface | (1) eSATA | N/A | |
| Hardware RAID* | N/A | | |
| M.2 Interface (M-Key) | (1) PCIe x4; (2) PCIe x2 | (3) PCIe x4; (1) PCIe x2 | |
| Digital Input* | Optional: (4) Input level +/- 24V DC, Terminal Block | | |
| Relay Output* | Optional: (1) 24V, 1A, Solid State Relay, Terminal Block | | |
| COM Port* | Optional: (1) RS-232/RS485, Terminal Block | | |
| **Network** | | | |
| WAN Uplink | (2) RJ-45, 10M/100M/1G/2.5G bps | | |
| LAN Uplink | (1) RJ-45, 10/100/1000 Mbps | (2) RJ-45, 10/100/1000 Mbps | |
| LAN Port with PoE | (8) RJ-45, 10/100 Mbps | (16) RJ-45, 10/100 Mbps | (24) RJ-45, 10/100 Mbps |
| PoE Level | (8) IEEE 802.3 af/at | (16) IEEE 802.3 af/at | (24) IEEE 802.3 af/at |
| Total PoE Budget | 120W | 240W | 360W |
| PoE + Switch Management | Windows® 10 SDK / Linux SDK | | |
| **General** | | | |
| Unit Dimensions | 220 mm x 244 mm x 44 mm | 428 mm x 435 mm x 44 mm | |
| Unit Weight | 1 kg | 4.5 kg | |
| Operating Temperature | 32°F ~ 104°F / 0°C ~ 40°C | | |
| Operating Rel. Humidity | 10% ~ 90% (non-condensing) | | |
| System Power Supply | 100 ~ 240V AC, 250W (56V / 4.46A) | AC 100 ~ 240V, 420W (53V / 280W, 12V / 140W) | AC 100 ~ 240V, 520W (53V / 360W, 12V / 160W) |