

**msi**<sup>®</sup>

 **IP68**  
CLASSIFIED

 EXTENDED  
TEMPERATURE  
+70°C / -40°C



**X-1000**

**ENVIRONMENT-PRO  
IoT GATEWAY**

# ENVIRONMENT-PRO X-1000

The X-1000 is a network security gateway with wide temperature and IP68 support. With smart temperature control and fan-less thermal solution, it is especially designed for industrial and harsh environment.

Multiple network connectivity solutions including Gigabit Ethernet, Wi-Fi and 3G/LTE are provided to fulfill various networking environment, suitable for industrial applications such as transportation, surveillance and environmental monitoring.



## Robust Design for Harsh Industrial Environment

With aluminum alloy and IP68 design, X-1000 chassis has high strength and high thermal properties, ensure system can sustain various harsh industrial environment.

## High Mobility (Wi-Fi, 3G/LTE)

X-1000 support interface for wireless network expansion, which can extend your application with security and more flexibility. With special designed mechanical holder, can prevents loosen in vibration.

## Smart Temperature Control Thermal Solution

X-1000 has smart unique thermal solution with several precise sensors and software, which allows system can automatically controls heat up or cool down according to environment temperature.

## Powerful Ethernet Connectivity

Within a slim design, X-1000 still provide max 4 GbE ports with Intel LAN solution to fulfill data transferring demand. SIMPLE but POWERFUL.

# X-1000 SPECIFICATIONS

## Systems

Processor	Intel® Atom™ Processor Apollo Lake-I SoC series: Intel® Atom™ x7 E3950 4C 2.0GHz High Intel® Atom™ x5 E3940 4C 1.8GHz Intermediate Intel® Atom™ x5 E3930 2C 1.8GHz Entry
Memory Capacity	1 x 1600/1867MT/s, non-ECC SODIMM up to 8GB
Ethernet Ports	Max. 4 x GbE RJ45 Ports
Storage	1 x SATA DOM (SATA 6Gb/s, with VCC supported) 1 x M.2 SATA 6Gb/s, M-Key 2242
Wireless	1x Mini PCIe slot for Wifi or 3G/LTE module (optional) 1x Micro-SIM holder for 3G/LTE 2 x Antenna with cap (optional)
Other I/Os	1 x Serial Port (RJ45) with cap 2 x USB3.0 Ports with cap 1 x VGA Port with cap 1 x M12 DC Plug in with cap 1 x Power Button with LED
TPM	1 x TPM Header can support to TPM2.0
Power Supply	9V~48V DC IN 1 x 12V/60W power adapter (optional)
OS Support	CentOS Linux 7.x

## Mechanical

Chassis	Aluminum alloy
Color	Black
Mounting	Wall mount (optional)
Dimension(WxDxH)	10.83" (275mm)x11.26" (286mm)x2.74" (69.5mm)

## Environment

Operation Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operation Humidity	0 ~ 85%

## Certifications

EMI & Safety	CE, FCC (Class B), CB, BSMI
International Protection	IP68

For more information, please visit our website  
<http://server.msi.com>

