



LAND



SEA



AIR

# SR10A-X12

MIL-STD VIDEO FRAME GRABBER  
COMPUTER



- MIL-STD Vibration, Shock Tolerant
- 8xD1 Video Frame Grabber for option
- Intel i7-1270PE(12C/16T, Max. 4.5Ghz, 18MB cache, Base TDP28W)
- DDR5 SO-DIMM Up to 64GB
- Multi-Displays: 1x DP, 1x HDMI
- Intel® Gigabit Ethernet 2x 2.5GbE by I226-LM + 2x GbE by I219-LM + I210
- 3x USB 3.2+1x USB3.2 Type-C
- 2x COM ports (RS232/422/485)
- 9V~32V DC-IN

# Specifications

## System

High Performance Processor	Intel® Alder Lake 12th Gen P Processor Intel® Core™ i7-1270PE Processor, 12 Cores/16 Threads, 18M Cache, up to 4.50 GHz, Base power 28W Max 64W . Intel® Core™ i7-1265UE Processor, 10 Cores /12 Threads, 12M Cache, up to 4.70 GHz, 15W/55W
Memory type	2 x 262-pin DDR5 SO-DIMM, up to 4800 MHz 64GB , Support Non-ECC, unbuffered memory
Chipset	Nuvoton's Super I/O –NCT6126D supports both LPC & eSPI interface to communicate with chipsets.
Expansion Slot	1 x MiniPCIe with SIM Slot (support mSATA) 1 x M.2 (Key E 2230) for Wi-Fi and Bluetooth 2 x M.2 (Key M 2280) support PCIe Gen4 for NVMe

## Graphics

Chipset	Intel® Iris® Xe Graphics (i7, i5) Intel® UHD Graphics (i3, Celeron 7305E)
---------	--

## Display

Display Interface	1x LVDS 1x Display port 1x HDMI 1x Type-C(DP Alt. mode)
-------------------	--

## Storage

SATA	2x SATA III Solid State Disk (SSD).
------	-------------------------------------

## Ethernet

Ethernet	1x Intel® I219-LM Gigabit PHY LAN (supports Intel® AMT 16) 2x Intel® I226-LM Gigabit LAN (up to 2.5GbE) 2x Intel®I210-IT Gigabit LAN
----------	--

## Front I/O

Button	Power Button
Indicator LED	Power, HDD
Audio	2x 3.5mm Audio Jacks (1 x MIC, 1 x Line-Out)
USB Port	2+1 x USB3.2 standard-A connectors

	1x USB3.2 Type-C (support DP)
Serial Port	2x DB9- RS232/422/485
DisplayPort	1x DP port
	1x HDMI port
Ethernet	3x GbE LAN RJ45 (I219-LM+ I210-IT)
	2x 2.5GbE LAN RJ45(I226-LM)

### Rear I/O

DC-IN	4P Rugged Terminal connector, 9V~32V DC-IN
Serial Port	2x DB9- RS232 (option)

### Applications, Operating System

Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810 Embedded Computing, Process Control, Intelligent Automation and manufacturing applications where Harsh Temperature, Shock, Vibration, Altitude, Dust and EMI Conditions. Used in all aspects of the military.
Operating System	Windows 10,64-bit, Linux(By request)

### Physical

Dimension (WxDxH)	255 x149 x 69 mm
Weight	4.5 KG (9.9 LBS)
Chassis	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction. No Moving Parts.
Ingress Protection	Dust Proof (Similar to IP50)

### Environmental

MIL-STD-810G Test	Method 507.5, Procedure II (Temperature & Humidity) Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock) Method 516.6 Shock-Procedure I Operating (Mechanical Shock) Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration) Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration) Method 501.5, Procedure I (Storage/High Temperature) Method 501.5, Procedure II (Operation/High Temperature) Method 502.5, Procedure I (Storage/Low Temperature)
-------------------	---

Method 502.5, Procedure II (Operation/Low Temperature)

Method 503.5, Procedure I (Temperature shock)

Reliability

No Moving Parts; Passive Cooling.

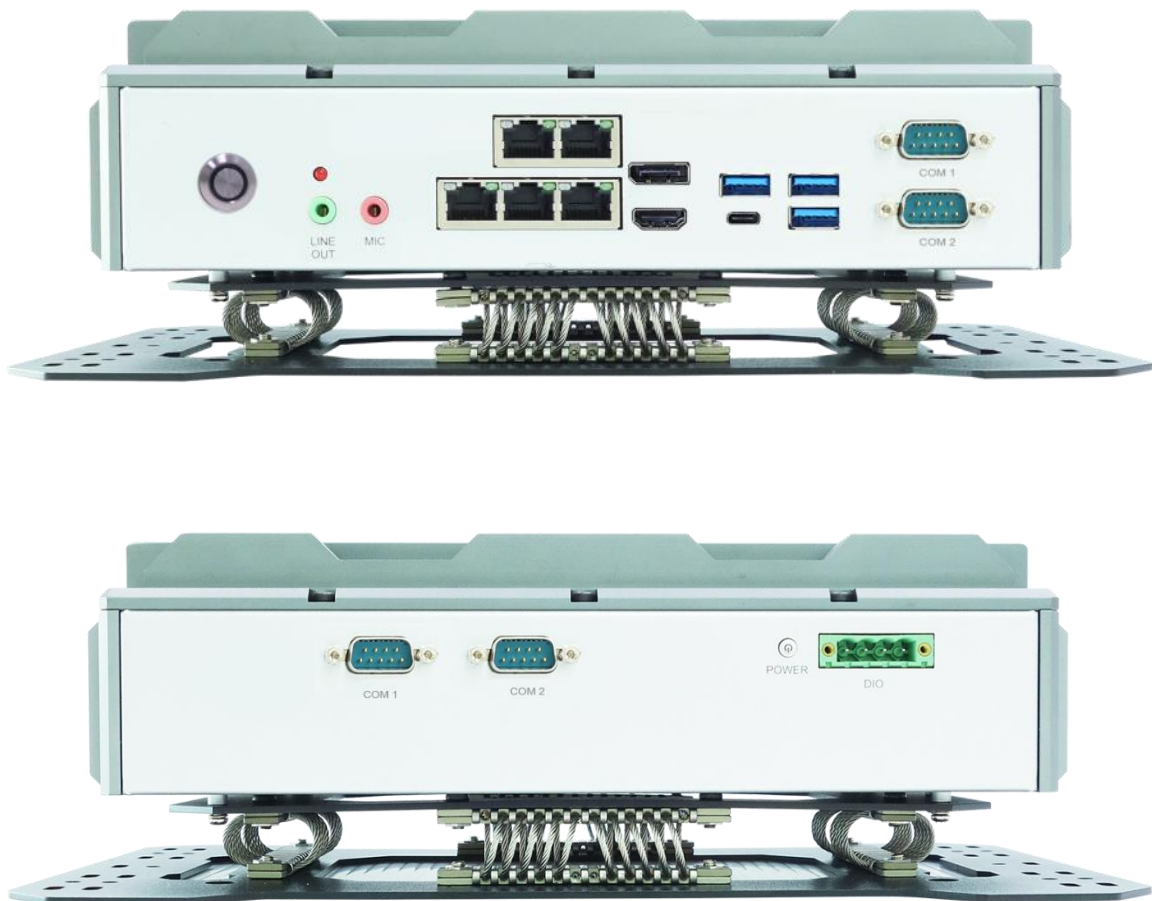
Designed & Manufactured using ISO 9001/2000 Certified Quality Program.

## Ordering Information

SR10A-X12

MIL-STD-810G Rugged Computer with Intel® Core™ i7-1270PE, 4x Gigabit LAN, 4x Serial port, 9V to 32V DC-IN, Mini PCIe, high vibration / shock protection, Extended Temp. -20°C to +70°C.

## Appearance



# Dimension

