



MicroDISC

MD-X302
RUGGEDIZED SYSTEM

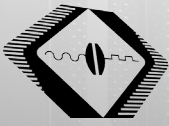
The MD-X302 is a rugged grade fanless edge computing system. In addition to great computing performance, the MD-X302 features with outstanding GPU performance based on Intel UHD Graphics 630 engine. The MD-X302 is perfect for image acquisition and processing applications including industrial testing equipment or measurement machine applications which need rich I/O connectivity in high demand for supercomputing and graphic performance.

Key Features

- 1X VGA and 1x HDMI 1.4 4K display output
- Dual channel DDR4 SO-DIMM, 32GB max
- Dual Intel LAN ports
- 6x COM port, 10x USB, Mic-in/Line-out
- Optional TPM 2.0
- Support Intel AMT Technology
- Onboard M.2 Key B/E



MILITARY . DATA COLLECTION . MACHINE VISION . SURVEILLANCE



MicroDISC
IMAGE PROCESSING SPECIALISTS

MD-X302

SPECIFICATIONS

CHASSIS

- Material: Aluminum and metal chassis
- Indicators: Drive LED
- Controls: Power ON/OFF button
- Dimensions: (W x D x H) 8.4" x 7.9" x 2.8"

SYSTEM BOARD

Single socket motherboard with either an Intel PCH Q370 or Intel PCH H310 chipset.

- (1) PCI-e x16 PCI EXPRESS slot
- (2) Intel GbE Lan ports (Intel I219-LM and Intel I211-AT)

CPU OPTIONS

- Intel i5-9500TE
- Intel i7-9700TE

MODEL OPTIONS

- MD-X302-H for Intel PCH H310
- MD-X302-Q for Intel PCH Q370

POWER OPTIONS

- +12V DC input
- Equip with 96W AC/DC power adapter
- AT/ATX power setting by jumper (ATX default)

ENVIRONMENTAL

- **Temperature:** -5 °C to 45 °C
- **Humidity:** 95% non-condensing
- **Storage Temperature:** -20 °C to 80 °C
- **Vibration Protection**
 - Random: 2Grms @ 5~500 Hz
 - Sinusoidal: 2G @ 5-500 Hz
- **Shock Protection**
 - 50G peak acceleration 11ms according to IEC60068-2-27

Contact MicroDISC sales for complete server board specifications and single socket solutions.

ABOUT MDI

Since 1984, MicroDISC has been providing Government, Military/Aerospace, Industry and Academia with invaluable knowledge and expertise in the field of machine vision, image processing and the packaging of integrated or embedded systems across a broad range of computer architectures and operating environments. Our commitment is to deliver the latest in leading edge technology packaged to meet the needs of our customers using mostly commercial-off-the-shelf (COTS) and long life-cycle components.

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