



F1-40

IP68 ATR MISSION COMPUTER



RUGGED COMPUTER PLATFORM

- MIL-STD810G Thermal, shock, vibration, Humidity / EMI / EMC conditions
- Equipped NVIDIA® Jetson AGX Orin GPU module 2048 CUDA® cores / 64 Tensor Cores
- 9th / 8th Gen Intel® Xeon® / Core™ processor
- IP68 Chassis with D38999 connectors
- 4 x DDR4-2400MHz, up to 128GB,
- MIL-STD 461/1275/704 10V~33V DC-Input
- Extreme Temperature : -40~+55 Degree

Specifications

SYSTEM

High Power Processor	Core i7-9850HE (6 Cores/12 Threads, 9M Cache, up to 4.40 GHz), 45W Core i7-9850HL (6 Cores/12 Threads, 9M Cache, up to 4.10 GHz), 25W Xeon E-2276ME (6 Cores/12 Threads, 12M Cache, up to 4.50 GHz), 45W Xeon E-2276ML (6 Cores/12 Threads, 12M Cache, up to 4.20 GHz), 25W
Memory type	4 x 260 Pin DDR4 2400MHz SO-DIMM (up to 128GB)
GPU (Options)	Jetson AGX Orin™ AI supercomputer NVIDIA Ampere Architecture 2048 NVIDIA® CUDA® cores / 64 Tensor Cores 12 core Cortex A78 ARM 64-bit CPU / 32GB 256-bit LPDDR5
VIDEO OUTPUT	3 x DVI
VIDEO INPUT	4 Channel capture module for 4 x SMA male connectors
COM	3 x RS-232 3 x RS-232/422/485
USB	2 x USB3.0 2 x USB2.0
Ethernet	4 x GbE
Power Type	10V ~ 33V DC IN
Storage	1 x2.5" SATA SSD, 1TB
Operating Temperature	-40 to +55 C
Dimension	Estimated = (WxDxH) = 7.5"x12"x6"

FRONT I/O

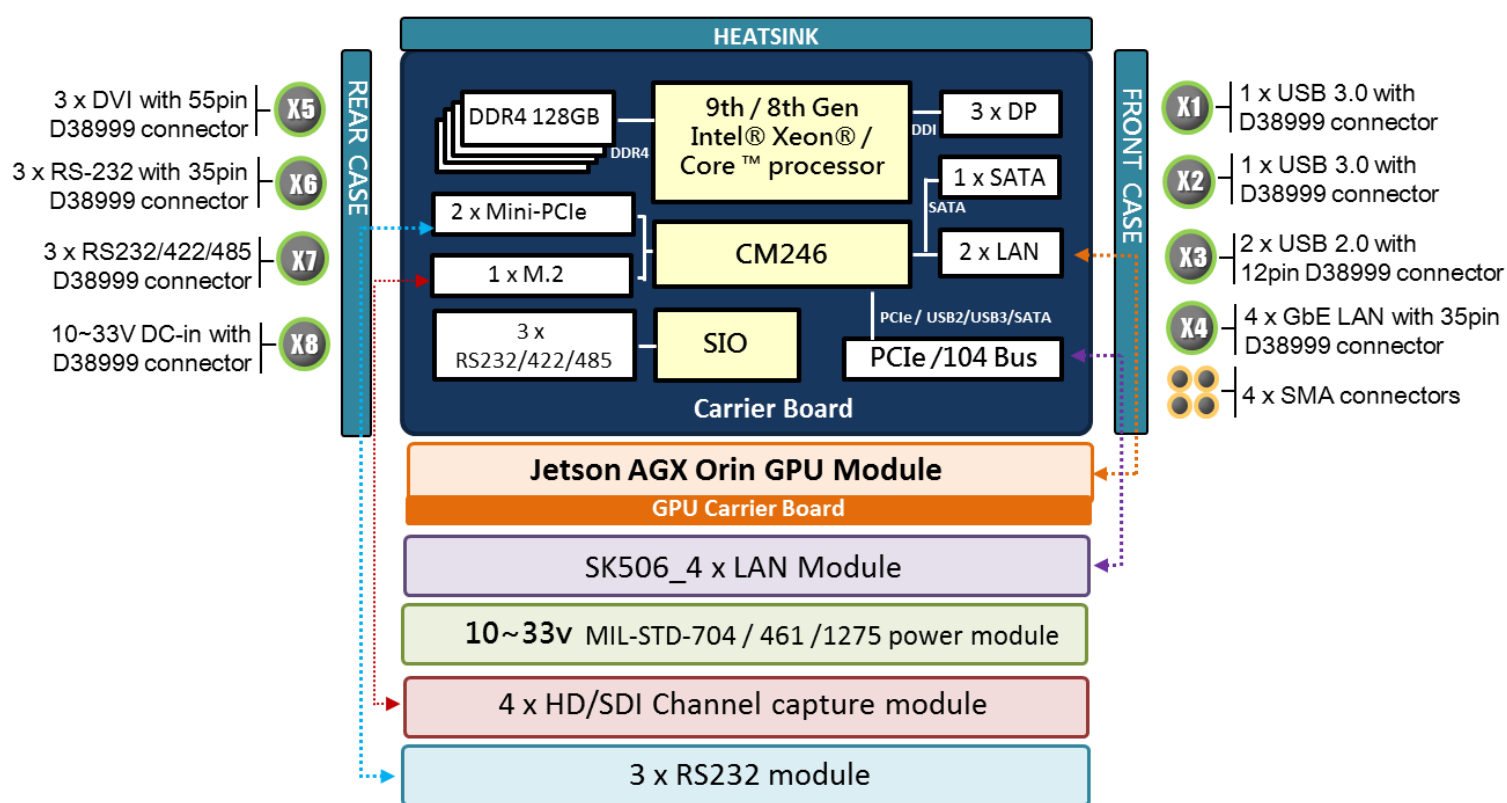
X1	1 x USB 3.0 with D38999 connector
X2	1 x USB 3.0 with D38999 connector
X3	2 x USB 2.0 with 12pin D38999 connector
X4	4 x GbE LAN with 35pin D38999 connector
SMA	4 x SMA connectors

REAR I/O

X5	3 x DVI with 55pin D38999 connector
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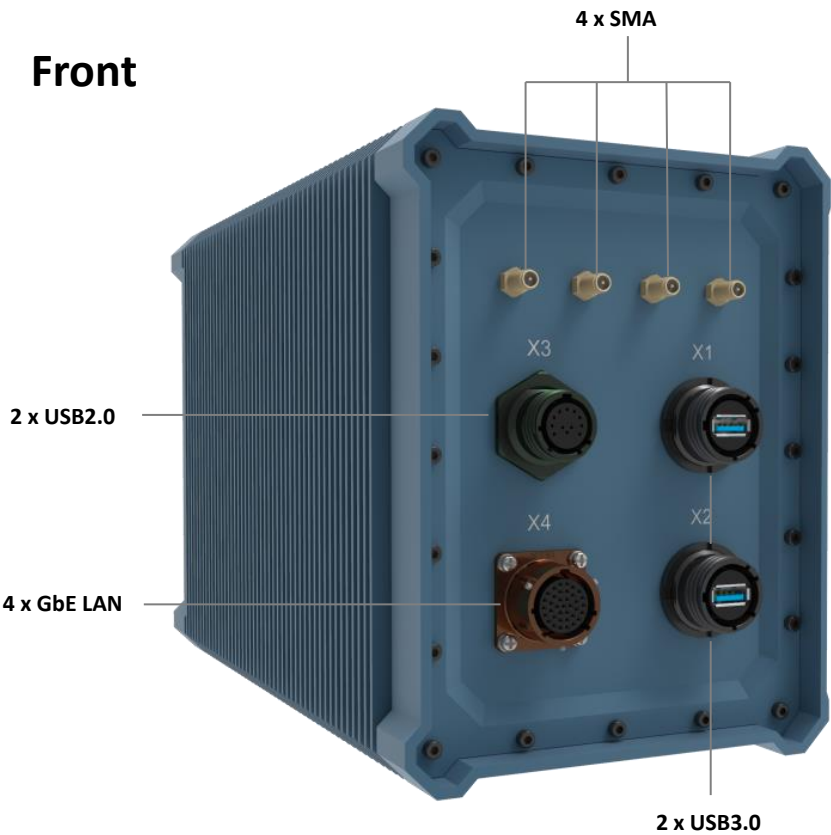
X6	3 x RS-232 with 35pin D38999 connector
X7	3 x RS232/485 with 35pin D38999 connector
X8	1 x 10V~33V DC-in with D38999 connector
ENVIRONMENTAL	
Standard	MIL-STD-810, 461, 1275, IP-68 Qualifications

Block Diagram



Appearance

Front



Rear

