



LAND



SEA



AIR

F20

ATR 1/2 Short Air-Borne Mission Computer



Rugged Computer Platform

- MIL-STD810G Thermal, shock, vibration, Humidity / EMI / EMC conditions
- 9th / 8th Gen Intel® Xeon® / Core™ processor
- IP67 Chassis with D38999 connectors
- 16GB DDR4 2400MHz SO-DIMM
- Compliant with MIL-STD-810G/461D / 462D/ 464E/1474E/1686C/1472G
- MIL-STD-704A / MIL-STD-461/ MIL-STD-1275A 10V~33V DC-Input
- Extreme Temperature : -30 ~+60 degree



Specifications

System

High Power Processor	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	16GB DDR4 2400MHz SO-DIMM (up to 128GB) ECC for Xeon SKU
Chipset	CM246
Graphic	Intel® UHD Graphics 630
ARINC 429	6 Channels of ARINC-419/429/575/717 Channels: 4 RX/TX and 2 RX Only Channels. w/ mini-PCle card (Alta-dt MPCIE-A429)
STA -1553	1-2 INDEPENDENT, DUAL REDUNDANT (A/B) MIL-STD-1553 CHANNELS w/ mini-PCle card (Alta-dt MPCIE2-1553)
TPM	TPM 2.0 (SLB9665)
BIOS	AMI UEFI BIOS
COM	3 x RS-232
USB	1 x USB2.0
Ethernet	1 x Intel I210-IT 1 x I219-LM GbE
Power Type	10V ~ 33V DC IN
Storage	1 x2.5" SATA SSD, H/W AES 32GB
GPIO	4x GPIO
Operating Temperature	-30 to +60 C
Dimension	ATR 1/2short [269.88mm(H) x 123.95mm(W) x318mm(L)]

FRONT I/O

X1	2 x LAN + 1 x USB2.0 with 22 PIN D38999 connector
X2	3 x RS232 with 37pin D38999 connector
X3	1 x ARINC429+1 x MIL-1553 + 4chan GPIO with 37pin D38999 connector
X4	DC IN with D38999 connector

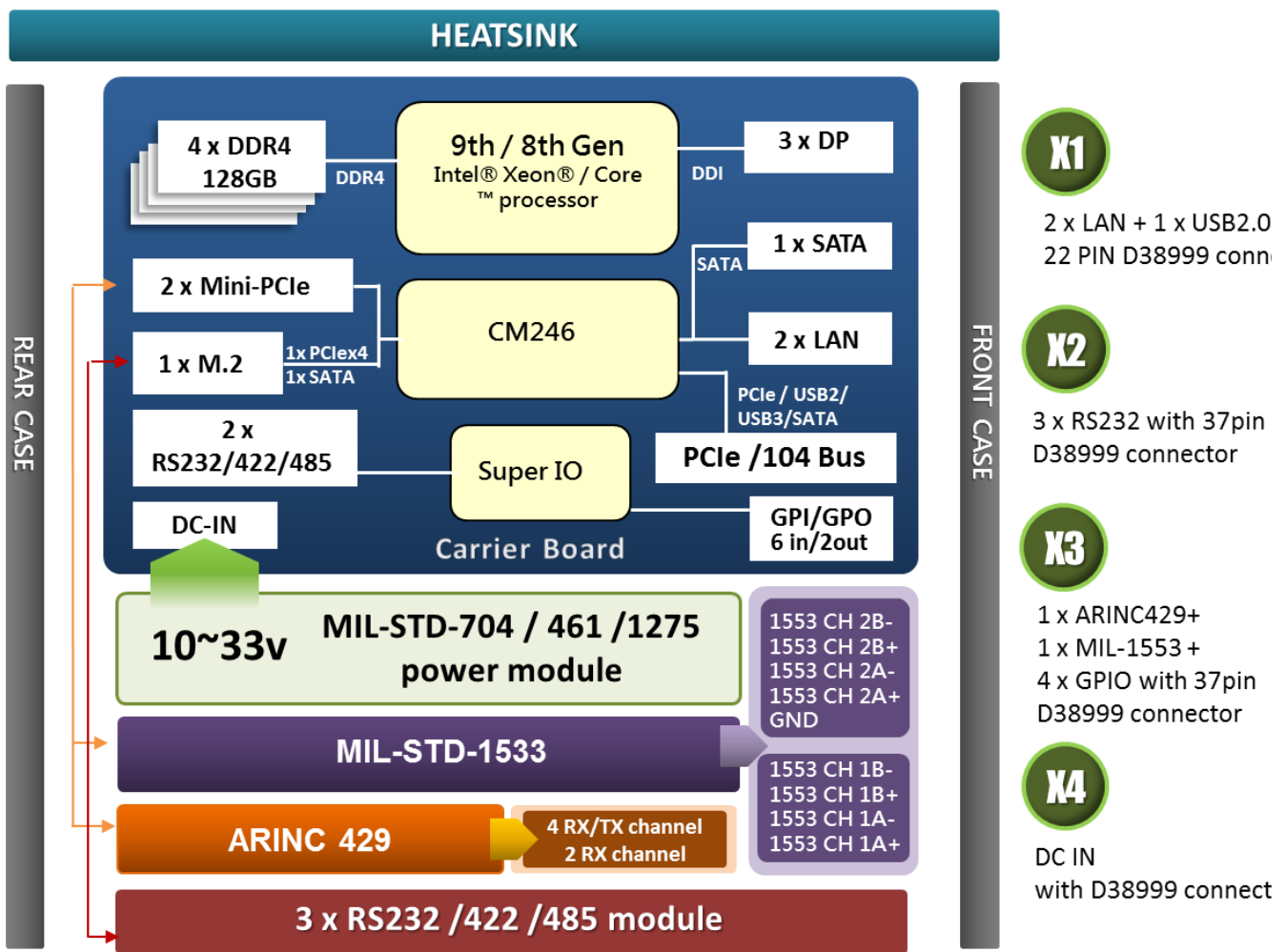
Environmental

Standard

MIL-STD-810G/461D / 462D/ 464E/1474E/1686C/1472G

MIL-STD-704A / MIL-STD-461/ MIL-STD-1275A 10V~33V DC-Input

Block Diagram



Appearance

