

DIMENSIONS	
5.09" x 4.13" x 1.41"	
WEIGHT	
1.29 LBS	
MATERIAL	
ALUMINUM	
COLOR & FINISH	
DARK EARTH ANODIZED	
ENVIRONMENTAL	
OPERATING TEMPERATURE	- 20°C to 50°C*
STORAGE TEMPERATURE	- 40° to 71°C*
INGRESS PROTECTION	IP68 (5 MIN / 5m TARGET) THRESHOLD
	IP67 (30 MIN / 1m) THRESHOLD
SHOCK	MIL-STD-810G, METHOD 516.6, PROCEDURE IV**
	MIL-STD-810G, METHOD 514.6, PROCEDURE I
	GENERAL VIBRATION
VIBRATION	TRANSPORTATION IN PACKAGING
	OPERATIONAL SERVICES
	ELECTROMAGNETIC INTERFERENCE (EMI)
ELECTROSTATIC DISCHARGE (ESD)	NATO STANDARD AECTP-500, NCS12
COMPLIANCE	CE
	RoHS
WEATHER CONDITIONS	SAND AND DUST
	MIL-STD-810G, METHOD 510.5 PROCEDURES I & II
	SALT FOG
	MIL-STD-810G METHOD 509.5
	RAIN
MIL-STD 810G, METHOD 506.5, PROCEDURE I	

PLATFORM	
NVIDIA JETSON ORIN NX 16GB	
AI PERFORMANCE	100 TOPS
GPU	1024 CORE AMPERE, 32 TENSOR CORES
CPU	8-CORE ARM® CORTEX-A78AE
MEMORY	16GB 128-BIT LPDDR5 102.4GB/s
DL ACCELERATOR	(2x) NVDLA V2.0
VISION ACCELERATOR	1x PVA V2
STORAGE	SUPPORTS EXTERNAL NVMe
VIDEO ENCODE	1x 4K60 3x 4K30 6x 1080p60 12x 1080p30 (H.265), H.264, H.265, AV1
VIDEO DECODE	1x 8K30 (H.265) 2x 4K60 (H.265), 4x 4K30 (H.265) 9x 1080p60 (H.265), 18x 1080p30 (H.265)
SYSTEM-ON-MODULE	
STORAGE	2TB INTEGRATED SSD, PCIe GEN 4
REAL-TIME CLOCK	INTEGRAL BATTERY BACKUP



POWERED BY



**Booz  
Allen®**

POWER	
INPUT VOLTAGE	10 -18 VDC VIA NETWARRIOR COMPATIBLE 5-PIN CONNECTOR
OVERCURRENT AND OVERVOLTAGE PROTECTION	6A
INTEGRATED SMBUS CONNECTION FOR USE WITH CONFORMABLE WEARABLE BATTERIES	
INPUTS / OUTPUTS	
4x PAN (PERSONAL AREA NETWORK) PORTS	12-PIN ODU AMC® HD CONNECTOR
	USB 3.2 and USB 2.0 DATA
	REGULATED 5V USB POWER, 2A MAXIMUM, CURRENT-LIMITED AND REVERSE-CURRENT PROTECTED
	UNREGULATED 10 - 18VDC BATTERY POWER 4.5A MAXIMUM CURRENT LIMITED AND REVERSE-CURRENT PROTECTED
1x HOST PORT	12-PIN ODU AMC® HD CONNECTOR
	USB 3.2 and USB 2.0 DATA
	REGULATED 5V USB POWER, 2A MAXIMUM, CURRENT-LIMITED AND REVERSE-CURRENT PROTECTED
	UNREGULATED 10 - 18VDC BATTERY POWER 4.5A MAXIMUM CURRENT LIMITED AND REVERSE-CURRENT PROTECTED
1x PAN+ PORT	27-PIN ODU AMC® HD CONNECTOR WITH DUAL FUNCTIONALITY***
POWER MONITOR / CONTROL	
CURRENT / POWER MONITORING	ALL HOST AND PAN OUTPUT POWER (5V AND UNREGULATED BATTERY VOLTAGE)
POWER DISTRIBUTION MANAGEMENT	USER-CONFIGURABLE CONTROL OF POWER DELIVERY FOR EACH PORT****

\* PER MIL-STD-810G

\*\*TRANSIT DROP 48° HIGH TOTAL OF 26 DROPS ON EACH FACE, EDGE, AND CORNER

\*\*\*GIGABIT ETHERNET (GbE) AND DISPLAYPORT V1.4

\*\*\*\*MANUAL OR PRIORITY-BASED

