ALON Eng.

פיתוח וייצור מערכות בקרה
אלקטרוניות צבאיות מתקדמות

CMP12-S

AI Industrial Computer Based on Intel 12th gen I7 CPU Core

Description

The CMP12-S high-performance Advanced AI Industrial computer, designed for Artificial Intelligent, video analytics, Situational Awareness and advanced AI uses.

This system enables deployment of advanced AI algorithms in mobile, air, ground and unmanned applications.

Meets the requirements for autonomies platforms, tanks, artillery and APC.

For all CMP12-S Features click here

Key Features

- Based on ASUS C7126ES-IM-AA board
- Powerful Intel i7-1265UE Processor.
- Low power consumption with passive cooling.
- System include:
  - Rugged Aluminum cover with cooling plate
  - Internal cooling Fan
  - C7126ES-IM-AA Motherboard
  - 2T SSD.
  - 64GB Memory.

Orderable Part numbers:

base part number	CMP12-S

*The specifications and pictures are subject to change without prior notice

ALON Eng.

פיתוח וייצור מערכות בקרה
אלקטרוניות צבאיות מתקדמות

ISO 9001:2015
IQC
Institute of Quality & Control
Certified Quality Management System

CMP12-S

AI Industrial Computer Based on Intel 12th gen I7 CPU Core

Specifications	
Power:	+9 to +36V DC 6A, 20-45W , Recomanded Power Supply: Delta - DPS-90AB-3 12V/90W
Weight (approx.):	~1 Kg
Dimensions:	~150x109x80mm
Environmental and physical specifications	
Dust/Rain Sealing Level:	IP20
Temperature:	-20 to +60 °C operational -40C to +85C storage
System:	
CPU:	CPU (Alder Lake-P UE series): Intel® Core™ i7-1265UE Processor (SoC) ,15W, 10 Core, vPro supported MAX. SPEED : 6GHz L2 Cache : 4MB CHIPSET : Integrated Memory technology :DDR5 4800 MHz Display controller : Intel® Xe Graphics architecture, 4 Independent Displays, Up to 8K Display
OS support:	Windows / Linux
Storage:	1 x 2TB NVMe SSD
Memory:	64GB DDR
Communication:	2 x GbE LAN, 4 x USB 2.0, internal RS232,Internal RS422/485
I/O	Internal - 8-bit Digital TTL
Video Output:	2xHDMI , 1xDP
System Indicator	Internal - Power LED, LAN/SYS/HDD Led
Audio	Internal - 1 x Line Out, 1 x Line In

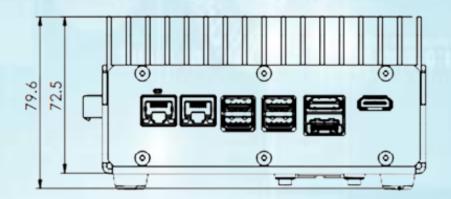*The specifications and pictures are subject to change without prior notice

ALON Eng.

פיתוח וייצור מערכות בקרה
אלקטרוניות צבאיות מתקדמות

ISO 9001:2015
IQC
Institute of Quality & Control
Certified Quality Management System

CMP12-S

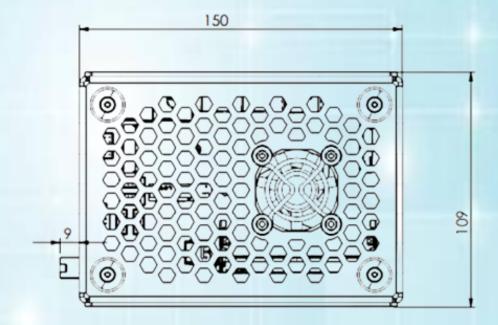### AI Industrial Computer Based on Intel 12th gen I7 CPU Core

Dimensions:

79.6
72.5

150

109

9

*The specifications and pictures are subject to change without prior notice