

# DLAP-5200 Series

高性能人工智能引擎：采用流线型、无风扇设计，专为先进的自动化解决方案而打造

## 产品特点

- Intel® Core™ Series 2 Processors and 14/13/12th Gen Intel® Core™ Processors
- Up to 196GB DDR5 4800MHz Memory
- Supports MXM 3.1 Type A/B GPU module
- Easily accessible front I/O ports include 4x USB 3.2, 2x USB 3.1, 2x HDMI, and 3x DisplayPort
- Sleek, fanless design for 24/7 operation in dusty environments
- Supports Microsoft® Windows® 10 IoT and Linux® Ubuntu 22.04



## 订购指南

| Model Name                          | CPU       | Memory | Storage          | GPU       | DP | HDMI | LAN | COM | USB 3.0 |
|-------------------------------------|-----------|--------|------------------|-----------|----|------|-----|-----|---------|
| DLAP-5209RF-3DP/M32G/1TB/S4TB/A4500 | i9-14000  | 32GB   | 1TB NVMe 4TB SSD | MXM A4500 | 3  | 2    | 6   | 2   | 6       |
| DLAP-5207-3DP/M64G/2xS2TB/A2000     | i7-12700E | 64GB   | 2 x 2TB SSD      | MXM A2000 | 3  | 2    | 6   | 2   | 6       |
| DLAP-5207-3DP/M32G                  | i7-12700E | 32GB   | -                | -         | 3  | 2    | 6   | 2   | 6       |
| DLAP-5209R-6DP/M32G/S512G/A2000     | i9-13900E | 32GB   | 512GB SSD        | MXM A2000 | 6  | 2    | 3   | 3   | 6       |
| DLAP-5207R-6DP/M32G                 | i7-13700E | 32GB   | -                | -         | 6  | 2    | 3   | 3   | 6       |

## 包装清单

| Description              | QTY |
|--------------------------|-----|
| 2-pin terminal block 1pc | 1   |
| Wall mount bracket       | 1   |

## 可选配件

| PN               | Description        |
|------------------|--------------------|
| 31-62162-1010-A0 | 280W AC/DC Adapter |

## 操作系统

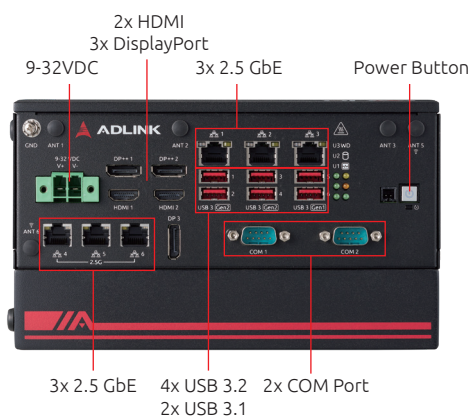
| PN            | Description                                |
|---------------|--------------------------------------------|
| 92-56094-0010 | Windows 10 IoT Ent LTSC 2021 High End PKEA |
| 92-56094-2010 | Windows 10 IoT Ent LTSC 2021 Value PKEA    |
| 92-56094-4010 | Windows 10 IoT Ent LTSC 2021 Entry PKEA    |
| 92-56101-0010 | Windows 11 IoT Ent 2022 High End PKEA      |
| 92-56101-2010 | Windows 11 IoT Ent 2022 Value PKEA         |
| 92-56101-4010 | Windows 11 IoT Ent 2022 Entry PKEA         |

## 产品规格

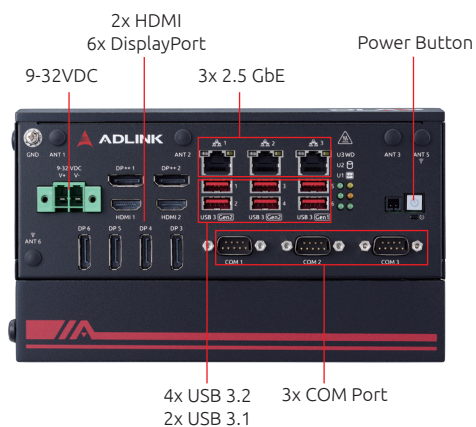
| Model          | Model                 | DLAP-5200-3DP                                                               | DLAP-5200-6DP                                           |
|----------------|-----------------------|-----------------------------------------------------------------------------|---------------------------------------------------------|
| System         | CPU                   | Intel® Core™ Series 2 Processors and 14/13/12th Gen Intel® Core™ Processors |                                                         |
|                | Chipset               | R680E                                                                       |                                                         |
|                | Memory                | Max. 196GB, DDR5 4x SO-DIMMs, up to 4800MHz                                 | Max. 196GB, DDR5 4x SO-DIMMs, up to 4800MHz             |
|                | Storage               | 2x SATA IIIx (6Gb/s) for 2.5-inch SSD                                       | 2x SATA IIIx (6Gb/s) for 2.5-inch SSD                   |
|                | MXM module            | NVIDIA<br>Ampere A4500, A2000<br>ADA 2000                                   | NVIDIA<br>Ampere A4500, A2000<br>ADA 2000               |
|                | Operating System      | Windows® 10/11 IoT Enterprise 64-bit<br>Ubuntu 22.04                        | Windows® 10/11 IoT Enterprise 64-bit<br>Ubuntu 22.04    |
|                | TPM                   | TPM 2.0 on board                                                            |                                                         |
|                | LED indicator         | 1 storage, 1 WDT, 1 diagnostic and 3 user-defined                           | 1 storage, 1 WDT, 1 diagnostic and 3 user-defined       |
| I/O interfaces | Display Ports         | 2x HDMI 1.4b<br>3x DisplayPort 1.4 (1x from MXM module)                     | 2x HDMI 1.4b<br>6x DisplayPort 1.4 (4x from MXM module) |
|                | Ethernet Ports        | 6x 2.5GbE with TSN supported (i225)                                         |                                                         |
|                | USB Ports             | 4x USB 3.2 Gen2 (Type A)<br>2x USB 3.1 Gen2 (Type A)                        | 4x USB 3.2 Gen2 (Type A)<br>2x USB 3.1 Gen2 (Type A)    |
|                | Serial Ports          | 2x RS-232/422/485<br>1x RS-232                                              |                                                         |
|                | Expansion Slots       | 1x M.2 2280 M Key<br>1x M.2 2230 E Key                                      | 1x M.2 2280 M Key<br>1x M.2 2230 E Key                  |
| Mechanical     | Dimension (W X D X H) | 125mm x 240mm x 210mm                                                       |                                                         |
|                | Weight                | 6.8 kg                                                                      |                                                         |
|                | Mounting              | Wall mount                                                                  |                                                         |
| Power          | Interface             | 2-pin phoenix                                                               |                                                         |
|                | Power Supply          | 12/24 VDC,<br>AC-DC 280W adapter (optional)                                 | 12/24 VDC,<br>AC-DC 280W adapter (optional)             |
| Environment    | Operating Temperature | -20 to 50 °C (35W CPU)<br>-20 to 40 °C (65W CPU)                            | -20 to 50 °C (35W CPU)<br>-20 to 40 °C (65W CPU)        |
|                | Storage Temperature   | -40°C to 85°C (-40°F to 185°F)                                              |                                                         |
|                | Humidity              | ~95% @ 40°C (Non-condensing)                                                |                                                         |
|                | Vibration Operating   | 3Grms, random, 5-500Hz, 3 axes (w/SSD)                                      |                                                         |
|                | Shock Operating       | 30G, half sine 11ms duration (w/SSD)                                        |                                                         |
|                | ESD                   | Contact +/-4KV, Air +/-8KV                                                  |                                                         |
|                | EMC                   | CE & FCC Class A                                                            |                                                         |
|                | Safety                | UL/CB                                                                       |                                                         |

## I/O 示意图

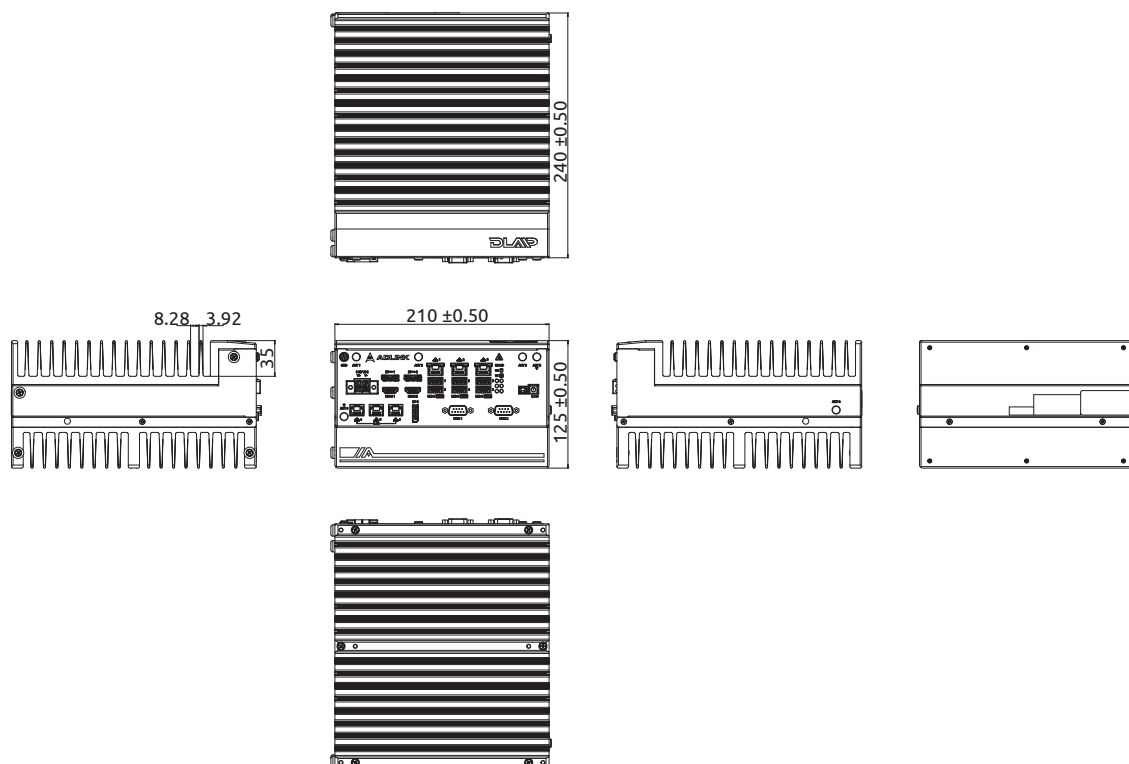
DLAP-5200-3DP



DLAP-5200-6DP



## 产品尺寸与示意图



## CPU Support List

| Family              | Number     | CPU Core | Cache | Processor Base Power | Since BIOS |
|---------------------|------------|----------|-------|----------------------|------------|
| Alder Lake          | i9-12900E  | 16       | 30 MB | 65 W                 | 1.03.10    |
| Alder Lake          | i9-12900TE | 16       | 30 MB | 35 W                 | 1.03.10    |
| Alder Lake          | i7-12700E  | 12       | 25 MB | 65 W                 | 1.03.10    |
| Alder Lake          | i7-12700TE | 12       | 25 MB | 35 W                 | 1.03.10    |
| Alder Lake          | i5-12500E  | 6        | 18 MB | 65 W                 | 1.03.10    |
| Alder Lake          | i5-12500TE | 6        | 18 MB | 35 W                 | 1.03.10    |
| Alder Lake          | i3-12100E  | 4        | 12 MB | 65 W                 | 1.03.10    |
| Alder Lake          | i3-12100TE | 4        | 12 MB | 35 W                 | 1.03.10    |
| Raptor Lake         | i9-13900E  | 24       | 36 MB | 65 W                 | 2.08.10    |
| Raptor Lake         | i9-13900TE | 24       | 36 MB | 35 W                 | 2.08.10    |
| Raptor Lake         | i7-13700E  | 16       | 30 MB | 65 W                 | 2.08.10    |
| Raptor Lake         | i7-13700TE | 16       | 30 MB | 35 W                 | 2.08.10    |
| Raptor Lake         | i5-13500E  | 14       | 24 MB | 65 W                 | 2.08.10    |
| Raptor Lake         | i5-13500TE | 14       | 24 MB | 35 W                 | 2.08.10    |
| Raptor Lake         | i3-13100E  | 4        | 12 MB | 65 W                 | 2.08.10    |
| Raptor Lake         | i3-13100TE | 4        | 12 MB | 35 W                 | 2.08.10    |
| Raptor Lake Refresh | i9-14900   | 24       | 36 MB | 65 W                 | 2.08.10    |
| Raptor Lake Refresh | i7-14700   | 20       | 28 MB | 65 W                 | 2.13.10    |
| Raptor Lake Refresh | i5-14500   | 14       | 24 MB | 65 W                 | 2.13.10    |
| Raptor Lake Refresh | i3-14100   | 4        | 5 MB  | 60 W                 | 2.13.10    |