

DLAP-5200 Series

High-Performance AI Engine: Sleek, Fanless Design for Advanced Automation Solutions

Features

- Intel® Core™ 200S Series and 14/13/12th Gen 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



Ordering Information

| 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 |

Packing Lists

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

Optional Accessories

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

Embedded OS

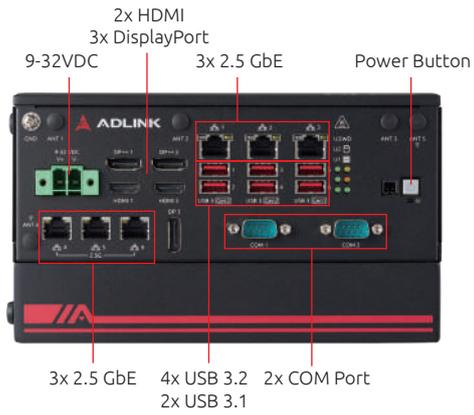
| PN | Description |
|---------------|--|
| 92-56094-0010 | Windows 10 IoT Ent LTSC 2021 High End PKEA |
| 92-56094-2010 | Windows 10 IoT Ent LTSC 2021 Value PKEA |
| 92-56094-4010 | Windows 10 IoT Ent LTSC 2021 Entry PKEA |
| 92-56101-0010 | Windows 11 IoT Ent 2022 High End PKEA |
| 92-56101-2010 |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

Specifications

| Model | Model | DLAP-5200-3DP | DLAP-5200-6DP |
|----------------|-----------------------|--|---|
| System | CPU | Intel® Core™ 200S Series and 14/13/12th Gen 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 Ampere A4500, A2000 ADA 2000 | NVIDIA Ampere A4500, A2000 ADA 2000 |
| | Operating System | Windows® 10/11 IoT Enterprise 64-bit Ubuntu 22.04 | Windows® 10/11 IoT Enterprise 64-bit 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 3x DisplayPort 1.4 (1x from MXM module) | 2x HDMI 1.4b 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) 2x USB 3.1 Gen2 (Type A) | 4x USB 3.2 Gen2 (Type A) 2x USB 3.1 Gen2 (Type A) |
| | Serial Ports | 2x RS-232/422/485 | 2x RS-232/422/485 1x RS-232 |
| | Expansion Slots | 1x M.2 2280 M Key 1x M.2 2230 E Key | 1x M.2 2280 M Key 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, AC-DC 280W adapter (optional) | 12/24 VDC, AC-DC 280W adapter (optional) |
| Environment | Operating Temperature | -20 to 50 °C (35W CPU) -20 to 40 °C (65W CPU) | -20 to 50 °C (35W CPU) -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 View

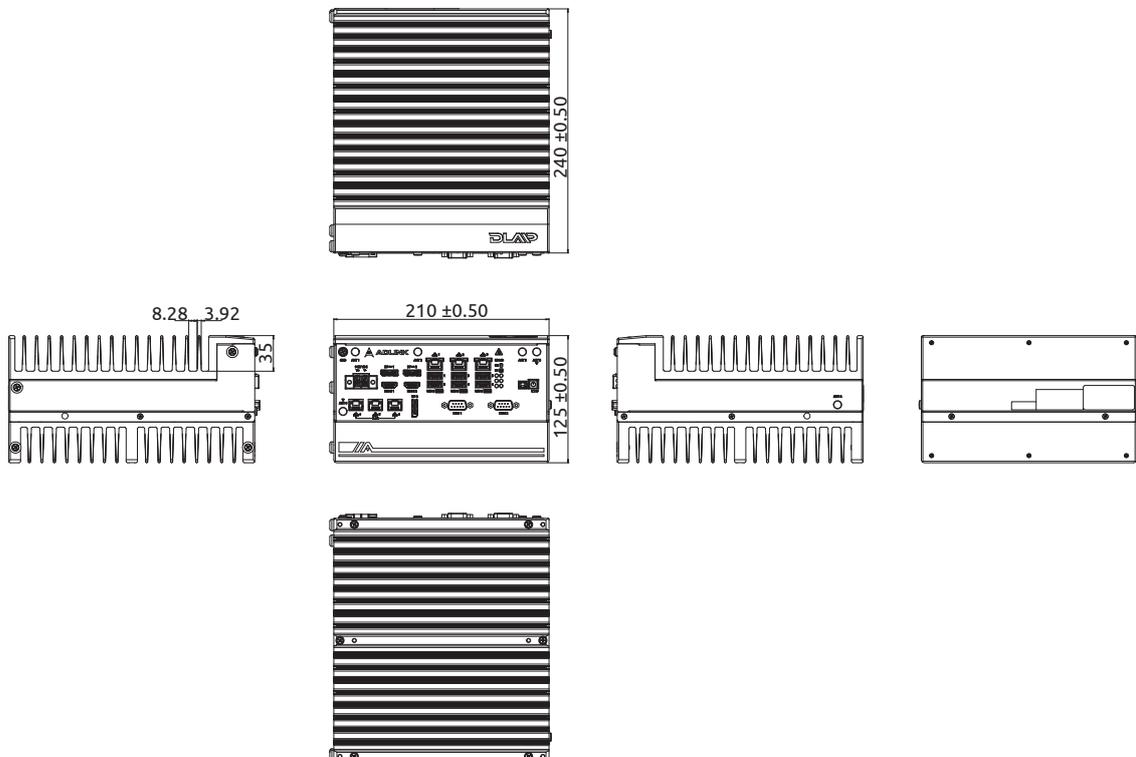
DLAP-5200-3DP



DLAP-5200-6DP



Product Dimensions and Illustration



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 |