

DLAP-3200-CF Series

Embedded System supporting MXM Graphics Module with 8th/9th Generation Intel® Core™ i7/i5/i3 in LGA1151 Socket

Features

- ADLINK MXM Graphics module support (Type A/B, up to 120W)
- 8th/9th Gen Intel® Core™ i7/i5/i3, Celeron® processor
- Dual SODIMMs for up to 64GB DDR4 non-ECC memory (dependent on CPU)
- DisplayPort (2 from CPU, 4 from MXM)
- 1x M.2 E key supporting 1630 or 2230 for Wi-Fi/Bluetooth module, 1x M.2 B key supporting 2242 or 2280 for SATA storage module 1x M.2 M key supporting 2242 or 2280 for SATA/PCIe x4 storage module
- Reliable Molex type 12V DC-in connector
- 1x Intel® i219-LM and 3x Intel® i210-AT
- 2x PCIe Gen3 x4 expansion slot for Full Height Half Length add on card, each slot is 25W power budget and additional Molex 4 pin power cable (12V/1.5A and 5V/2A) support



Software Support

- Win10 IoT Enterprise SAC 64bit
- Ubuntu 18.04.1 LTS 64bit

Optional Accessories

- CPU cooler: 32-20495-0000
- CPU cooler bracket 32-50015-0100-A0
- MXM cooler for P1000/P2000: 32-20797-0200-A0
- MXM cooler for P3000/P5000: 32-20823-0020-A0
- MXM cooler for T1000: 32-20830-0200-A0
- MXM cooler for RTX3000: 32-20823-1100-A0
- 12V/240W adaptor: 31-62164-0010-A0
- Wall Mount Bracket 34-34546-0000-A0 2pcs
- Wifi Kit INTEL AC9260 Non-VPRO 91-95266-0010

Ordering Information

| Model | MXM Support | Chipset | DC-in |
|-----------------|--|---------|-------|
| DLAP-3200-CFP1 | EGX-MXM-P1000 | Q370 | 12V |
| DLAP-3200-CFP2 | EGX-MXM-P2000 | Q370 | 12V |
| DLAP-3200-CFP12 | EGX-MXM-P1000/2000/ T1000/RTX3000 (not incl.) | Q370 | 12V |
| DLAP-3200-CFP3 | EGX-MXM-P3000 | Q370 | 12V |
| DLAP-3200-CFP5 | EGX-MXM-P5000 | Q370 | 12V |
| DLAP-3200-CFP35 | EGX-MXM-P3000/5000 (not incl.) | Q370 | 12V |
| DLAP-3200-CFT1 | EGX-MXM-T1000 | Q370 | 12V |
| DLAP-3200-CFT3 | EGX-MXM-RTX3000 | Q370 | 12V |

DLAP-3200-CF

Specifications

| Model | DLAP-3200-CFP1 | DLAP-3200-CFP2 | DLAP-3200-CFT1 | DLAP-3200-CFT3 | DLAP-3200-CFP3 | DLAP-3200-CFP5 |
|-----------------------|--|----------------|----------------|-----------------|------------------|----------------|
| | DLAP-3200-CFP12* | | | | DLAP-3200-CFP35* | |
| MXM Support | EGX-MXM-P1000 | EGX-MXM-P2000 | EGX-MXM-T1000 | EGX-MXM-RTX3000 | EGX-MXM-P3000 | EGX-MXM-P5000 |
| Processor | Intel® Core™ i7-9700E, 2.6GHz, 12M Cache, 65W TDP, LGA1151, DDR4 2666MHz support (8C/8T) Intel® Core™ i7-9700TE, 1.8GHz, 12M Cache, 35W TDP, LGA1151, DDR4 2666MHz support (8C/8T) Intel® Core™ i5-9500E, 3.0GHz, 9M Cache, 65W TDP, LGA1151, DDR4 2666MHz support (6C/6T) Intel® Core™ i5-9500TE, 2.2GHz, 9M Cache, 35W TDP, LGA1151, DDR4 2666MHz support (6C/6T) Intel® Core™ i3-9100E, 3.1GHz, 6M Cache, 65W TDP, LGA1151, DDR4 2400MHz support (4C/4T) Intel® Core™ i3-9100TE, 2.2GHz, 6M Cache, 35W TDP, LGA1151, DDR4 2400MHz support (4C/4T) Intel® Core™ i7-8700, 3.2GHz, 12M Cache, 65W TDP, LGA1151, DDR4 2666MHz support (6C/12T) Intel® Core™ i7-8700T, 2.4GHz, 12M Cache, 35W TDP, LGA1151, DDR4 2666MHz support (6C/12T) Intel® Core™ i5-8500, 3.0GHz, 9M Cache, 65W TDP, LGA1151, DDR4 2666MHz support (6C/6T) Intel® Core™ i5-8500T, 2.1GHz, 9M Cache, 35W TDP, LGA1151, DDR4 2666MHz support (6C/6T) Intel® Core™ i3-8100, 3.6GHz, 6M Cache, 65W TDP, LGA1151, DDR4 2400MHz support (4C/4T) Intel® Celeron® G4900, 3.1GHz, 2M Cache, 54W TDP, LGA1151, DDR4 2400MHz support (2C/2T) Intel® Celeron® G4900T, 2.9GHz, 2M Cache, 35W TDP, LGA1151, DDR4 2400MHz support (2C/2T) | | | | | |
| Chipset | Intel® Q370 Chipset | | | | | |
| Memory | Non-ECC DDR4 2666/2400MHz, 2x SO-DIMM, up to 64GB (dependent on CPU) | | | | | |
| I/O Interfaces | | | | | | |
| Display | 6x DisplayPort (2 from CPU, 4 from MXM) | | | | | |
| Ethernet | 1x GbE (Intel® i219-LM), 3x GbE (Intel® i210-AT) | | | | | |
| Serial Ports | 1x RS-232/422/485, 1x RS-232 | | | | | |
| USB | 6x USB 3.2 Gen1x1 ports, 2x USB 2.0 ports | | | | | |
| M.2 | 1x M.2 E key supporting 1630 or 2230 for Wi-Fi/Bluetooth module, 1x M.2 B key supporting 2242 or 2280 for SATA storage module 1x M.2 M key supporting 2242 or 2280 for SATA/PCIe x4 storage module | | | | | |
| Digital IO | 1x DI/DO with 4 in, 4 out | | | | | |
| Audio | Mic-in, L/R speaker-out (6W + 6W) | | | | | |
| TPM 2.0 | Yes | | | | | |
| eSIM | Optional | | | | | |
| Expansion slot | 2x PCIe Gen3 x4 expansion slot for Full Height Half Length add on card, each slot is 25W power budget and additional Molex 4 pin power cable (12V/1.5A and 5V/2A) support | | | | | |
| Storage | | | | | | |
| SATA | 2x SATA 6Gb/s, one SATA power connector 2x SATA 6Gb/s signals via M.2 M & B key connector Intel® RST RAID Support | | | | | |
| Mechanical | | | | | | |
| Dimensions | 235 x 182 x 130mm (W x D x H, without foot pads) | | | | | |
| Mounting | Optional wall-mount bracket | | | | | |
| Power Supply | | | | | | |
| DC Input | DC 12V input (Molex DC-in jack) | | | | | |
| AC Input | Optional: 240W (12V/20A) AC/DC adapter | | | | | |
| Environmental | | | | | | |
| Operating Temperature | 0°C to 50°C (W/MXM, W/SSD) | | | | | |
| Storage Temperature | -20°C to 60°C | | | | | |
| Humidity | 5% to 95%, non-condensing | | | | | |
| EMC | EN55032/EN55035 | | | | | |
| Safety | UL/cUL and CB | | | | | |

*Note: These models do not include an MXM graphics module.