gKINO-DMF

Mini-ITX SBC supports AMD Merlin Falcon SoC Processor, HDMI 2.0, M.2, PCIe mini, SATA 6Gb/s, USB 3.0, HD audio and RoHS

Specifications

- CPU: FP4 BGA supports AMD Merlin Falcon SoC
- BIOS: AMI BIOS
- Memory: Two 260-pin 2400MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs support up to 64 GB
- Graphics Engine: AMD Radeon HD 10000 graphical core, 3rd Gen. graphic core, support DX 12, HSA 2.0
- Display Output: Triple Independent Display
  - 2 x HDMI 1.4 (up to 4096x2160@24Hz)
  - 1 x DP (up to 3840x2160@60Hz)
- Ethernet: Dual GbE RTL 8111GN
- Audio: Realtek ALC662 HD audio codec
- Front Panel: 1 x Front Panel (2x7 pin, power LED, HDD LED, speaker, power button, reset button)
- LAN LED: 2 x LAN LED (1x2 pin)
- SMBus: 1 x SMBus (1x4 pin)
- I²C: 1 x I²C (1x4 pin)
- TPM: 1 x TPM (2x10 pin)
- Power: 12V@5.54A (AMG RX-421BD 2.1GHz CPU with 2400 MHz 16GB DDR4 memory)
- Storage Temperature: -10°C ~ 70°C
- Operating Temperature: 0°C ~ 60°C
- Operating Humidity: 5% ~ 95%, non-condensing
- Dimensions: 170mm x 170 mm
- Weight: GW: 1100g / NW: 700g

Features

- Mini ITX form factor with AMD Merlin Falcon processor with DDR4 memory (ECC support)
- HDMI 2.0 Supported
- Full-size PCIe mini slot
- Triple display via, HDMI 2.0, DP++
- M.2 B key support
- DDR4, triple independent displays, HDMI/DP, dual GbE, SATA 6Gb/s, USB3.0, PCIe mini, M.2, HD audio and RoHS

Packing List

1 x gKINO-DMF single board computer with CPU cooler
1 x SATA cable
1 x I/O shielding
1 x One key recovery CD
1 x QIG
1 x Utility CD

Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>gKINO-DMF-421-R10</td>
<td>Mini-ITX SBC supports AMD RX-421BD on board SoC (quad-core 2.1GHz, 35W), DDR4, triple independent displays, HDMI/DP, dual GbE, SATA 6Gb/s, USB3.0, PCIe mini, M.2, HD audio and RoHS</td>
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<tr>
<td>gKINO-DMF-216-R10</td>
<td>Mini-ITX SBC supports AMD RX-216GD on board SoC (dual-core 1.6GHz, 15W), DDR4, triple independent displays, HDMI/DP, dual GbE, SATA 6Gb/s, USB3.0, PCIe mini, M.2, HD audio and RoHS</td>
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<tr>
<td>19800-000300-100-RS</td>
<td>RS-232 cable with bracket, 300mm, P=2.0</td>
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<tr>
<td>CB-USB02A-RS</td>
<td>Dual-port USB cable with bracket, 300mm, P=2.0</td>
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<td>TPM-IN01-R20</td>
<td>20-pin Infineon TPM module, software management tool, firmware v3.17</td>
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