



# AOPEN

an Acer Group Company

Digital Engine®



## Rugged & Compact

Fanless | HW EDID Emulator | Slim Type

# DE3129

A compact and potent Intel® Processor Mini PC. The first Digital Engine that comes with a controllable hardware EDID emulator. Equipped with DDR5 memory for faster and more efficient performance, Intel UHD Graphics Gen12, and versatile connectivity options. Its fanless, solid-state design ensures consistent performance across various scenarios, including supermarkets, pharmacies, corporate environments, and beyond.

- Intel® Processor N-series N100
- Supports -20 ~40°C operating temperature
- DC input 12 ~ 24V for automotive applications
- Integrated Intel® UHD Graphics Gen12
- Fanless design TPM2.0
- EDID Emulator
- Supports UHD resolution and HEVC/H.265 & VP9

# DE3129



|                |                  |   |
|----------------|------------------|---|
| Dimension      | W x H x D (mm)   | 166 x 25 x 158 mm   |
|                | W x H x D (inch) | 6.54 x 0.98 x 6.22 inch   |
| Volume         |                  | 0.65L   |
| Weight         |                  | 0.8 kgs / 1.76 lbs  |
| CPU            | Socket           | CPU on board  |
|                | Type             | Intel® Processor N-series N100<br>TDP=6.5W  |
| Chipset        |                  | -   |
| Memory         | Channel          | Single Channel  |
|                | Type             | DDR5 SO-DIMM x 1  |
|                | Data rate        | 4800  |
|                | Max Memory       | 16G   |
| Graphics       | Chip             | Intel UHD Graphics Gen12  |
| Expansion Slot |                  | M.2 slot x1, 2280<br>(key M for SATA/PCIe SSD)<br>M.2 slot x1, 2230(key E for WIFI) |
| Audio          | Type             | Realtek HD Audio ALC897   |
|                | Channel          | Stereo  |
| LAN            |                  | Intel 2.5G x 1 (i226V)  |
|                |                  | 100/1000/2500 Mbps  |
| Storage Bay    | 2.5" SATA HDD    | -   |
|                | M.2 SSD          | x 1   |

|                       |  |  |   |
|-----------------------|--|--|---|
| Front Panel I/O       | USB 2.0 Port   | x 2  |   |
|                       | USB 3.2 Port   | -  |   |
|                       | Others   | Power Button x 1,<br>System error LED x 1,<br>RS232 x 1<br>EDID Emulator x 1 |   |
| Rear Panel I/O        | DC Jack  | 12~24V, 5525 x 1   |   |
|                       | HDMI 2.0 Port  | x 2  |   |
|                       | USB 2.0 Port   | x 2  |   |
|                       | USB 3.2 Port   | x 2  |   |
|                       | eSATA port   | -  |   |
|                       | RJ45 LAN Jack  | x 1  |   |
|                       | DisplayPort  | -  |   |
|                       | Audio Set  | Line-Out   | - |
|                       |  | Mic-In   | - |
|                       | Antenna Holes  | x 2  |   |
|                       | Kensington Lock Hole   | -  |   |
| COM Port              | -  |  |   |
| Others                | Combo audio jack x 1<br>Extend power SW x 1                      |  |   |
| CPU Thermal Module    | AOPEN Thermal Module   |  |   |
| Watchdog Timer        | 1 ~ 255 SEC./ min  |  |   |
| Adapter               | 40W (19V, 2.1A) AC Adapter<br>ADP-40KD BBZ<br>P/N: 90.DEF57.0010 |  |   |
| Input Voltage         | AC 100 ~ 240V  |  |   |
| Warranty              | 2 Years  |  |   |
| Environment           |  |  |   |
| MTBF                  | 50,000hrs  |  |   |
| Operating Temperature | -20 ~ 40°C (-4 ~ 104°F)  |  |   |
| Storage Temperature   | -30 ~ 60°C (-22 ~ 140°F)   |  |   |
| Relative Humidity     | 90% RH (35°C non-Condensing)                                     |  |   |

\*Please note that product specifications are subject to change without notice

## Supports



**AOPEN Headquarter**  
New Taipei City,  
Taiwan

**AOPEN America**  
San Jose,  
USA

**AOPEN EMEA**  
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Netherlands

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Melbourne,  
Australia

**AOPEN Japan**  
Tokyo,  
Japan

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China