



Rugged & Compact

Fanless | HW EDID Emulator | Slim Type

DE3129

A compact and potent Intel® Processor Mini PC. The first Digital Engine that comes with an 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 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 (key M for SATA/PCIe SSD) M.2 slot x1, 2230(key E for WIFI)
Audio	Type	Realtek HD Audio ALC897
	Channel	Stereo
LAN	Intel 2.5GLAN 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, System error LED x 1, RS232 x 1 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 Extend power SW x 1
	CPU Thermal Module		
Watchdog Timer			1 ~ 255 SEC./ min
Adapter			40W (19V, 2.1A) AC Adapter ADP-40KD BBZ 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
Rosmalen,
Netherlands

AOPEN Australia
Melbourne,
Australia

AOPEN Japan
Tokyo,
Japan

AOPEN China
Shanghai,
China