



Middle range Embedded Computer



DK310

ELKHART LAKE SIGNAGE PLAYER



Intel® Elkhart Lake
Celeron®/Penton® processors



DP (3840 x 2160 @60 Hz)
HDMI (3840 x 2160 @60 Hz)



Long life cycle



Support Wi-Fi/BT module
Support Wi-Fi 6

CPU

CPU	Intel® Celeron® J6412 processor Intel® Penton® J6426 processor
Frequency	2.60 GHz/3.00 GHz
Chipset	Soc
Processing Units	4 Cores/4 Cores
TDP	10 W/10 W

System

System Memory	4 GB, Onboard LPDDR4-2666 MHz (Optional: 8 GB)
Storage	1 x Full-size Mini-PCIe for MSATA Optional: Onboard eMMC5.1
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Remo on	NA
Power Requirement	DC-IN, 19 V/2.37 A
Dimensions	130 mm x 129.3 mm x 25.4 mm (5.12" x 5.09" x 1")
Construction	Metal, Black
Operating System	Windows 10 (64bit) /Windows 11 (64bit) Linux Ubuntu (64bit)
Operating Temperature	0°C ~45°C (32°F~113°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)
Certifications	CE, FCC Class B

Network

Network Controller	1 x Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wi-Fi/BT	1 x E-Key (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6
Mobile Network	NA

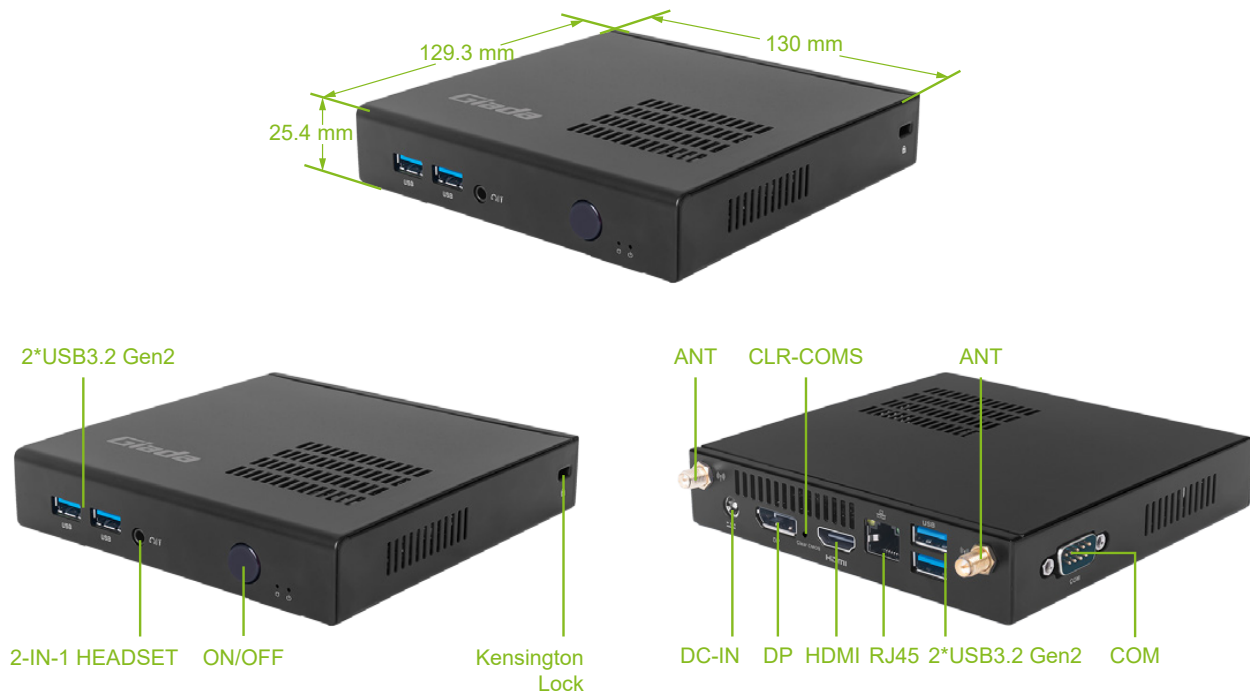
Display

GPU	Intel® UHD Graphics
Graphic Engine	DirectX, OpenGL, OpenCL, Intel® Quick Sync Video
Graphic Engine	4kp60 8-bit H.264 decode, 4kp60 8-bit and 10-bit H.265/HEVC decode, up to 4kp60 VC1, VP8, VP9 decode, 1080p60 MPEG2 decode
Display Interface	1 x DP (Max.3840 x 2160 @60 Hz) 1 x HDMI (Max.3840 x 2160 @60 Hz)

I/O interface

USB	4 x USB3.2 Gen2 (10 Gbps)
Serial Port	1 x RS232
Audio	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT

Dimensions and Drawing



Order information

DK310-J641242M0G-GIA	CPU: Intel® Celeron® J6412, RAM: 4 GB, Onboard LPDDR4-2666 MHz
DK310-J642642M0G-GIA	CPU: Intel® Pentium® J6426, RAM: 4 GB, Onboard LPDDR4-2666 MHz
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Package	Carton, EPE

Optional items

VESA Mounting	VESA Mounting Kit (JC501)
Wi-Fi/BT Module	Intel® Dual Band Wireless-AC 3165, Intel® Dual Band Wireless-AC 9260, Intel® Wi-Fi 6 AX200, Intel® Wi-Fi 6E AX210 (Gig+)
Operating System License	Windows 10 (64bit), Windows 11 (64bit)

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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