Middle range Embedded Computer



F106D

JASPER LAKE BOOK-SIZE SIGNAGE PLAYER

Intel® Jasper Lake
Celeron® N5100/N5095 processors

2

1 x HDMI, 1 x DP
Up to Max. 4096 x 2160 @60 Hz)

Support Wi-Fi/BT module
Support 3G/4G module

Fanless design
(Celeron® N5100)

CPU

CPU	Intel® Celeron® N5100 processor (Fanless) Intel® Celeron® N5095 processor
Chipset	SoC
Total Cores	4 Cores/4 Cores
Total Threads	4 /4
TDP	6 W/15 W

System

System Memory	4 GB, Onboard LPDDR4-2666 MHz (Optional: 8 GB)
Storage	1 x M-Key M.2 (2242/2280) for SSD (Only PCIe SSD) 1 x Full-size Mini-PCIe for MSATA 32 GB/64 GB, Onboard eMMC 5.1 (Optional)
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	DC-IN, 19 V/2.37 A
Dimensions	189.6mm x 148.3mm x 26mm (7.46” x 5.83” x 1.02”)
Construction	Metal, Black
Operating System	Windows 10 (64bit) /Windows 11 (64bit) Linux Ubuntu (64bit) /ChromeOS Flex
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, UKCA

Network

Network Controller	Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	2 x RJ45 (Optional: 1 x RJ45)
Wi-Fi/BT	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6 (CNVi)
Mobile Network	3G/4G colay with1 x Mini-PCIe for MSATA 1 x SIM Slot

Display

GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 3.0, OpenCL 1.1, OpenGL ES 2.0, H.264, MEPG2
Display Interface	1 x DP (Max.4096 x 2160 @60Hz) 1 x HDMI (Max.4096 x 2160 @60Hz)

I/O interface

USB	2 x USB3.2 Gen2, 4 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)

Dimensions and Drawing







Order information

F106D-FV-N510042N0G-GIA	CPU: Intel® Celeron® N5100 processor Memory: 4GB, Onboard LPDDR4-2666 MHz
F106D-NU-N509542N0G-GIA	CPU: Intel® Celeron® N5095 processor Memory: 4GB, Onboard LPDDR4-2666 MHz
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable,1 x AC Power Adapter
Package	Carton, EPE

Optional items

VESA Mounting	VESA Mounting Kit (JZ183)
Wi-Fi/BT module	**Wi-Fi 5 (802.11ac):** Intel® Dual Band Wireless-AC 9560, **Wi-Fi 6E (802.11ax):** Intel® Wi-Fi 6E AX210 (Gig+)
Mobile network module	Quectel® EC25 4G,
Operating system License	Windows 10 (64bit), Windows 11 (64bit)

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