

KDC-B681 SERIES

8th Gen Intel® Elkhart Lake Celeron™ SoC Processors



8th-Gen Intel® Elkhart Lake fanless computer with Dual Display, 2x GbE, 1x COM, 4x USB and 5G/WiFi

Key Features

- Intel® Elkhart Lake Celeron™ SoC Processors
- 12~28V wide range DC Input
- 1x 2 pin-Remote Terminal Block (Remote power on/off)
- 2x Display Ports (1x HDMI/4096 x 2160@60Hz,1x VGA/1920 x 1200 @60Hz) support 2 (Dual Display)
- 2x LAN Ports (1x Gigabit/RTL8111H-CG,1x 2.5 Gigabit/RTL8125BG)
- 1x COM Port (1x RS232/422/485)
- 4x USB Ports (2x USB 3.2 Gen1,2x USB 2.0)
- 1x M.2 KEY M. 2242/2260/2280(PCIe x1/SATA3(6Gb/s))
- 1x M.2 KEY B. 3042/3052(PCIe x1/USB 3.2 Gen1/USB 2.0) with SIM slot
- 5G/4G support by M.2 KEY B. 3042/3052
- Cnvi wireless support by 1x M.2 KEY E. 2230(PCIe x1/USB 2.0)

Introduction

KDC-B681 是一款極薄及緊湊無風扇電腦，搭載 Elkhart Lake Celeron™ 系列處理器，尺寸僅 249.9x179.5x 極薄高度 28mm，可以輕鬆安裝配置於任何緊湊空間裡。支持 12~28V 的寬壓可以有效保護因電源浪湧造成的系統不穩定，豐富的接口配置有包括 2 個 LAN,1 個 COM 和 4 個 USB，可二路的獨立顯示輸出 (HDMI/4096 x 2160@60Hz,VGA/1920 x 1200 @60Hz)，並同時支持 5G/Wifi 通訊模式，KDC-B681 非常適合用於機器視覺，工廠自動化，碼頭自動化，倉儲物流自動化，路面交通，無人搬運車 (AGV)，娛樂遊戲機，等各式工業應用領域。

System Specification

MODEL SERIES	DISPLAY	LAN	COM	USB	STORAGE	EXPANSION	WIRELESS
KDC-B681	2	2	1	4	1x M.2 KEY M. 2242/2260/2280 (PCIe x1/SATA3(6Gb/s))	1x M.2 KEY B. 3042/3052 (PCIe x1/USB 3.2 Gen1/USB 2.0) 1x M.2 KEY E. 2230(PCIe x1/USB 2.0)	1x SIM slot/4G/5G (M.2 KEY B. 3042/3052) Support Cnvi wireless (M.2 KEY E. 2230)

SYSTEM

CPU	8th Gen Intel® Elkhart Lake Celeron™ processors
CPU(TDP)	10W
Chipset	SOC
Graphics	Intel® UHD Graphics for 10th Gen Intel® Processors
BIOS	AMI SPI 256 Mbit
Watchdog Timer	256 Segments, 0,1,2,...,255sec
TPM	TPM 2.0 onboard

POWER

DC Input	12~28V
Power Interface	DC Jack
Power on Mode	AT/ATX
Remote Switch	2 pin-Terminal Block
Power Switch	Button with LED
Other Switch	Reset

MECHANICAL

Mounting	Wall Mount
Antenna Hole	4
Dimension	249.9 x 179.5 x 28 (mm)
Weight	1Kg

EXTERNAL I/O

Display	2x Display Ports (1x HDMI/4096 x 2160@60Hz,1x VGA/1920 x 1200 @60Hz)
Multipal Display	2 (Dual Display)
LAN	2x LAN Ports (1x Gigabit/RTL8111H-CG,1x 2.5 Gigabit/RTL8125BG)
COM	1x COM Port (1x RS232/422/485)
USB	4x USB Ports (2x USB 3.2 Gen1,2x USB 2.0)
Audio	1x (Line-Out,Mic-In)

MEMORY

Technology	Dual Channel DDR4
Frequency	3200MHz
Maximum Capacity	32GB (Max)
Socket	2x SO-DIMM socket

STORAGE

M.2	1x M.2 KEY M. 2242/2260/2280(PCIe x1/SATA3(6Gb/s))
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EXPANSION

M.2	1x M.2 KEY B. 3042/3052(PCIe x1/USB 3.2 Gen1/USB 2.0) with SIM slot 1x M.2 KEY E. 2230(PCIe x1/USB 2.0)
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OTHER

SIM	1x SIM slot/4G/5G/M.2 KEY B. 3042/3052
Cnvi	Support Cnvi wireless/M.2 KEY E. 2230
LED	(Power,HDD)

ENVIRONMENT

Storage Temp.	-40° to 85° C
Storage Humidity	0%~95%
Operating Temp.	-10° to 60° C
Operating Humidity	5%~95%

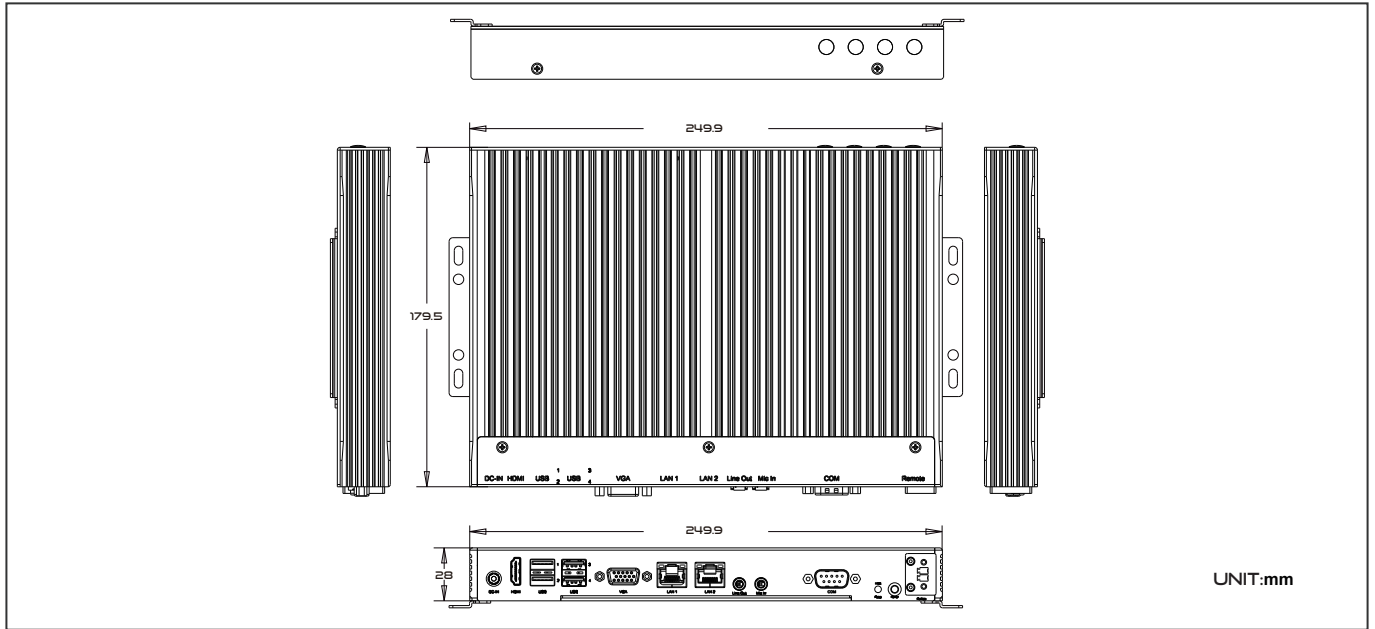
CERTIFICATION

Shock	IEC60068-2-27 / 50G @ Half-sine, 11ms(with SSD)
Vibration	IEC60068-2-64 / 5 Grms, 5-500 Hz, 3 Axes(with SSD)
Certification	CE, FCC Class A

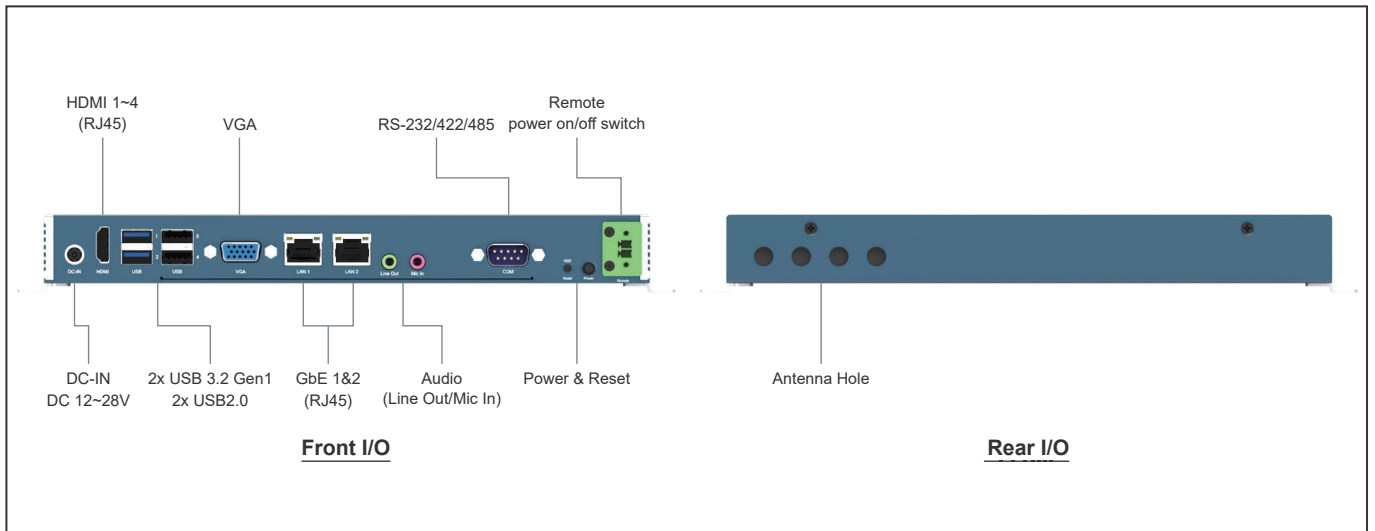
OS

OS Support	Windows 10 Linux
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Dimensions



I/O Interfaces



Ordering Information

Model Name	Description
KDC-B6811	Celeron® J6412(4C/4T,2.0 GHz up to 2.60 GHz, 1.5 MB Cache,10W)
KDC-B6812	Celeron® J6426(4C/4T,2.0 GHz up to 3.0 GHz,1.5 MB Cache,10W)
KDC-B6813	Celeron® N6210(2C/2T,1.2 GHz up to 2.6GHz,1.5 MB Cache,6.5W)
KDC-B6814	Celeron N6415(4C/4T,1.2 GHz up to 3.0GHz,1.5 MB Cache,6.5W)

Optional Accessories

Item NO.	Description
1.	AC/DC Adapter 24V/60W/DC Jack
2.	DDR4 Memory
3.	2.5" HDD/SSD
4.	M.2/mSATA/ SSD
5.	4G/5G LTE Module
6.	WiFi & Bluetooth Module
7.	Window OS
8.	AC Power Cord
9.	2 Pin Remote Control Terminal Block

Packing List

Item NO.	Description
1.	KDC-B681 System x1
2.	Wall Mount Bracket x2
3.	Screw Package x1