



## Welcome to iNewtek!

iNewtek has been growing as the company specialized in automation such as industrial computers, HMI Panel PC, MES kiosk systems, Multifunction Embedded Touch Panel, Single Board Computer(SBC) and HMI / SCADA Software development etc.

All iNewtek people have been around clients for 15 years including bad factory environment, industrial site with the first priority on stability and durability, system breakdown, and even major production lines to be recovered.

iNewtek has been concentrating on developing the reliable, fanless, dust-proof, water-proof and moisture-proof products.

Furthermore, we are devoting our energy to automation solutions based on the most stable and durable HMI Touch Panel, industrial computers and the noiseless high performance panel PCs.

Moreover, we will cooperate with overseas sales companies to have an opportunity to jump up ahead in the sector of product quality and design with the goal of considering the year 2018 as the first year to enter overseas markets.

iNewtek will try to improve the productivity of a client and the prestige of client products. We will think twice from the client perspective. We will do our best to make our products with the eyes and heart of a client. Please make sure that iNewtek achieves the incessant innovation and challenge.

## Major History

- 2018. 05. Launched iTouch HMI / SCADA
- 2018. 04. Developed IIOT Embedded Touch Panel System (NTE 410 Series)
- 2016. 01. Developed B(Baytrail-D) Series
- 2015. 07. Developed SBC(Single Board Computer)
- 2014. 08. Established China Shanghai(Wuxi) office
- 2013. 12. Acquired the China Compulsory Certification (CCC)
- 2012. 02. Supplied Panel PC to nuclear power plant
- 2011. 12. Supplied HMI Touch Panel(NTE07W) to France
- 2010. 11. Developed WinCE 6.0/Linux/Android HMI Embedded Touch Panel
- 2009. 03. Established China Changchun office
- 2009. 01. Supplied Panel PC to SAMSUNG LED semiconductor line
- 2008. 03. Concluded the contract to supply touch panel PCs for special firefighting vehicles
- 2008. 03. Concluded the contract to supply touch panel PCs for the BHS system with Incheon International Airport Corporation
- 2008. 02. Concluded the contract to supply kiosk systems by applying MES of Iljin Light Metal
- 2007. 11. Completed the registration of design to Industrial Patent Office regarding the fanless, dust-proof, and moisture-proof one
- 2007. 08. Developed noiseless, fanless, dust-proof, and moisture-proof panel PC series
- 2007. 06. Supplied HMI panel PCs for production equipment control to Samsung Electronics (Suwon)
- 2006. 12. Supplied touch panel PCs for railroad stock maintenance to National Railroad Administration
- 2005. 06. Supplied HMI panel PCs for power distribution control to LG Industrial Systems
- 2004. 05. Supplied HMI touch panel PCs for production equipment control to LG Chemical
- 2004. 01. Supplied industrial computers to Pyeongtaek thermal power plant
- 2003. 11. Acquired the CE certification (panel PC) and MIC certification (panel PC and IPC)
- 2003. 10. Developed the first 17 inch Pentium 4 panel PC in the nation
- 2003. 10. Acquired ISO9001:2000 certification
- 2003. 08. Incorporated iNewtek
- 2002. 05. Concluded the contract to supply industrial computers for security systems with Seoul Metropolitan Police Agency
- 2001. 09. Selected as a quality measurement equipment partner of Korea Telecom
- 2000. 02. Established iNewtek

# iNT-MPI-2UK-S

Industrial Micro PC  
Fanless / Dust-Proof

## Micro PC



## Features



intel Core  
i3/i5/i7



RS232



HDMI



USB 3.0



Ethernet LAN  
10/100/1000M



Wireless LAN  
(Option)

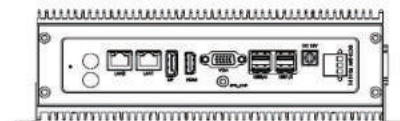
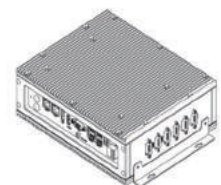
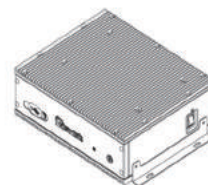
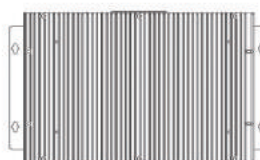
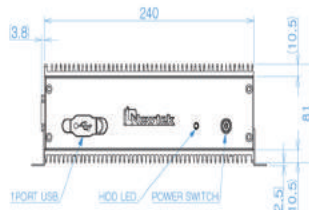
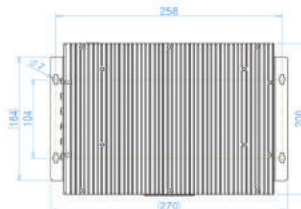
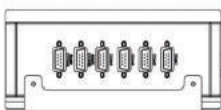


Fanless



Dust-Proof

## Product Size



## Specification

### System

**Processor :** Intel Core i7 / i5 / i3 Mobile CPU

**BIOS :** AMI uEFI BIOS, 64Mbit SPI Flash ROM

**System Chipset :** QM77

**I/O Chipset :** Nuvoton NCT6776F

**Memory :** DDR3L 4G (Basic option)

Two 204-pin SODDIM DDR3L 1333/1600 Mhz up to 16G

**Storage :** SSD Flash Disk 128G(MLC)(Basic Option)

Option : SSD 256G/SSD 500G/SSD 1T

**Audio Code :** Realtek ALC892, 5.1-CH HD Audio Codec

**Expansion :** Option

### I/O

**Serial Port :** 4x RS-232 , 1x RS-485 , 1x RS-422

**Ethernet :** 2xLAN(GbE)

(LAN1 - Intel 82579LM GbE LAN supports iAMT 8.0)

(LAN2 - Intel 82583V GbE LAN)

**USB :** 5x USB (4x USB 3.0 / 1x Silicon Front USB 2.0)

**HDMI :** 1x HDMI (1.3 support max resolution 4096 x 2160@ 60Hz)

**DP :** 1x DP(Max. resolution 4096 x 2304 @ 60Hz)

**VGA :** 1x VGA(Max. resolution 1920 x 1200 @ 60Hz)

**MIO :** 1x PS/2 Keyboard / 1x PS2 Mouse

**Audio Interface :** 1x Mic in, 1x Line in, 1x Line Out

**Terminal Block :** 1x 2pin Terminal Block(DC24V)

### Electrical and Operating Requirements

**Input :** AC100~240V(Adaptor)

DC24V(Terminal Block) (Option)

**Output :** DC24V/6.25A(150W)

**Operating Temperature :** 0°C ~50°C

**Storage Temperature :** -20°C ~60°C

**Relative humidity :** 0% ~ 90% noncondensing

**Dimension :** 240 x 200 x 81

**Weight :** 4 Kg

### Manufacturer

iNewtek Inc.

Made in Korea

## Option

### Wireless LAN

Intel Wireless LAN IEEE 802.11a/b/g/n

Expection 1x PCI-E Slot

### O/S

Window 7 Pro for Embedded (Kor/Eng)32/64bit

Window 10 Iot Enterprise 32bit/64bit



# iNT-MPI-1-KH

Intel® 6th Core i3 / i5 / i7 Skylake CPU  
Fanless / Dust-Proof  
Power isolation

## Industrial PC



## Features



Intel® Baytrail  
Quad Core SOC



Low Power  
Consumption



Low Heat



Fanless



Dust-Proof



Ethernet LAN  
10/100/1000M



Wireless LAN  
(Optional)



RS232/GPIO  
RS422/RS485



HDMI

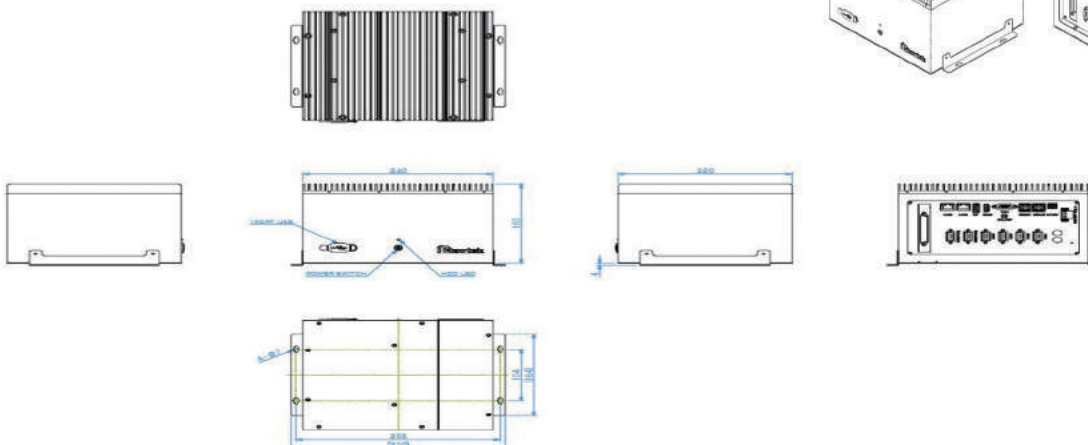


Anti-Vibration  
HDD Mount



USB 3.0

## Product Size



## Specification

### System

Processor : Intel® 6th Core i3 / i5 / i7 Skylake CPU  
BIOS : AMI uEFI BIOS, 128Mbit SPI Flash ROM  
System Chipset : Q170  
I/O Chipset : NCT6106D(Nuvoton)

Memory : DDR4 4G (Basic option)  
Two 260-pin SODDIM DDR4L 2133Mhz up to 32G

Storage : SSD Flash Disk 128G(MLC)(Basic Option)  
Option : SSD 256G/SSD 500G/SSD 1TB

Audio Code : Realtek ALC885S Support 5.1-CH Audio  
Multi Display : Triple  
Expansion : 1x PCIe(16x)

### I/O

Serial Port : 4x RS-232 / 1x RS-485 / 1x RS-422

Ethernet : 2xLAN(GbE)

(LAN1 - Realtek RTL8111E)  
(LAN2 - INTEL 82574L Gigabit Ethernet)

USB : 5x USB (4x USB3.0 / 1x Front USB 2.0)

HDMI : 1x HDMI (1.3 support max resolution 1920x1200@ 60Hz)

DP : 1x DP(Max. resolution 4096 x 2304 @60Hz)

VGA : 1x VGA(Max. resolution 1920 x 1200 @ 60Hz)

Audio Interface : 1x Speaker jack

Terminal Block : 1x 2pin Terminal Block(DC12~24V)

### Electrical and Operating Requirements

Input : AC100~240V(Adaptor) / DC12~24V(Terminal Block)

Operating Temperature : -10°C ~60°C

Storage Temperature : -20°C ~70°C

Relative humidity : 0% ~ 90% noncondensing

Installation Methods : Wallmount Bracket

Dimension : 240x220x160 mm

Weight : 5 Kg

### Manufacturer

iNewtek Inc.  
Made in Korea

## Option

### Wireless LAN

Intel Wireless LAN IEEE 802.11a/b/g/n  
Mini PCI-E Slot

### O/S

Window 7 Pro for Embedded (Kor/Eng)32/64bit  
Window 10 Iot Enterprise 32/64bit

# NTP15KF-FHD-IP

Touch Screen Panel PC  
Intel 6th Generation i3 / i5 / i7  
Fanless&Dust-proof

## Panel PC



## Specification

### Display

15" LED Backlight LCD/ TFT LCD Panel  
Resolution : 1920 x 1080 FHD (16:9 Wide)  
White Luminance : 300 cd /m'  
Contrast Ratio : 700

### Touch Screen

Capacitive  
Touch interface : USB

### System

Processor : Intel® 6th Core i3 / i5 / i7 Skylake CPU  
BIOS : AMI uEFI BIOS, 128Mbit SPI Flash ROM  
System Chipset : Q170  
I/O Chipset : Nuvoton NCT6106D

Memory : DDR4L 4G (Basic option)  
Two 260-pin SODDIM DDR4 2133Mhz up to 32G

Storage : SSD Flash Disk 128G(MLC)(Basic Option)  
Option : SSD 256G/SSD 500G/HDD 1TB

Audio Code : Realtek ALC888S Support 5.1-CH Audio  
DVD-ROM : No.

### I/O

Serial Port :  
Select 1 : 4x RS-232 / 1x RS-485 (Basic)  
Ethernet : 2xLAN(GbE)  
(LAN1 - Intel I219LM GbE LAN)  
(LAN2 - INTEL 82574L Gigabit Ethernet)  
USB : 4x USB (1x USB3.0 / 3x USB 2.0)  
HDMI : 1x HDMI (1.4 support max resolution 4096x2160@ 30Hz)  
DP : 1x DP(Max. resolution 4096 x 2304 @ 60Hz)  
VGA : 1x VGA(Max. resolution 1920 x 1200 @ 60Hz)  
Audio Interface : 1x Mic in, 1x Line Out(SPK-OUT)  
Terminal Block : 1x 3pin Terminal Block(DC12~24V)

### Electrical and Operating Requirements

Input : AC100~240V(Adaptor)  
Operating Temperature : 0°C ~50°C  
Storage Temperature : -20°C ~60°C  
Relative humidity : 0% ~ 90% noncondensing  
Installation Methods : LUG Bracket, VESA mount  
Dimension : 421 x 276 x 86.5  
Cutting Size : 390 x 244 (mm)  
Weight : 8 Kg

### Manufacturer

iNewtek Inc.  
Made in Korea

## Option

### Wireless LAN

Intel Wireless LAN IEEE 802.11a/b/g/n  
Mini PCI-E Slot

### O/S

Window 7 Pro for Embedded (KOR/Eng)32/64bit  
Window 10 Iot Enterprise 32/64bit

## Features



Intel 6th Core  
i3/i5/i7



Touch Screen



RS232/422/485



DP/HDMI/VGA



USB 3.0



RAID 0,1



Ethernet  
LAN Gbe



Wireless LAN  
(Option)



Fanless



Dust-Proof

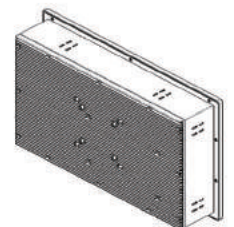
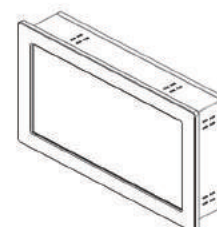
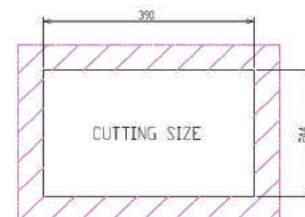
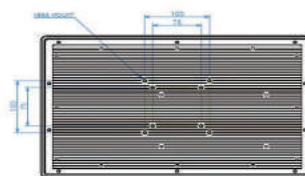
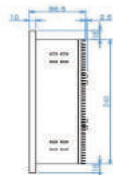
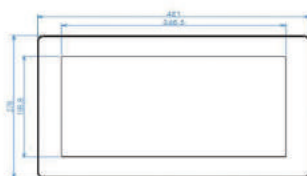


Full HD



Front IP65  
(Stainless)

## Product Size





# NTP19KF

Touch Screen Panel PC  
Intel 6th Generation i3 / i5 / i7  
Fanless&Dust-proof / RAID / Power isolation

## Panel PC



## Specification

### Display

19" LED Backlight LCD/ TFT LCD Panel  
Resolution : 1280 x 1024 (4:3 aspect ratio)  
White Luminance : 350 cd /m'  
Contrast Ratio : 1000

### Touch Screen

5-Wire Resistive  
Touch interface : USB

### System

Processor : Intel 6th Core i3 / i5 / i7 Skylake CPU  
BIOS : AMI uEFI BIOS, 128Mbit SPI Flash ROM  
System Chipset : Q170  
I/O Chipset : Nuvoton NCT6106D  
Memory : DDR4 4G (Basic option)  
Two 260-pin SODDIM DDR4L 2133Mhz up to 32G  
Storage : SSD Flash Disk 128G (Basic Option)  
Option : SSD 256G/512G/1TB  
Multi Display : Triple  
Audio Code : Realtek ALC888S, 5.1-CH HD Audio Codec  
Expansion : 1x PCIe(16x)

### I/O

Serial Port : 4x RS-232, 1x RS485(or RS422 Selectable)  
Ethernet : 2xLAN(GbE)  
(LAN1 - Intel I219LM GbE LAN)  
(LAN2 - Intel 82574L GbE LAN <- supports EtherCAT)  
USB : 5x USB (4x USB 3.0 / 1x Silicon Front USB 2.0)  
HDMI : 1x HDMI (1.4a support max resolution 4096x2160@ 30Hz)  
DP : 1x DP (Max. resolution 4096 x 2304 @ 60Hz)  
VGA : 1x VGA (Max. resolution 1920 x 1200 @ 60Hz)  
Audio Interface : 1x Line Out(SPK-OUT)  
Terminal Block : 1x 3pin Terminal Block  
(DC12~24V, includes F.G pin)

### Electrical and Operating Requirements

Input : AC100~240V(Adaptor)  
DC12~24V(Terminal Block) (Option)  
Power Consumption : DC12V/10A(120W) or DC24V/5A(120W)  
Operating Temperature : 0°C ~50°C (32°F ~122°F)  
Storage Temperature : -20°C ~60°C  
Relative humidity : 0% ~ 90% noncondensing  
Material : Front Aluminum Bezel  
Installation Methods : LUG Bracket, VESA mount  
Dimension : 438 x 380 x 109.3  
Cutting Size : 410 x 360 (mm) Weight : 10.6 Kg

### Manufacturer

iNewtek Inc.  
Made in Korea

## Optional

### Wireless LAN

Intel Wireless LAN IEEE 802.11a/b/g/n (Mini PCI-E Slot)

### Power Isolation

DC Input Ground(GND) isolation

### HDD Rack

2Bay 2.5 SATA 3/2/1 (Slide Door, Plug&Play, Hot swap)

### O/S

Window 7 Pro for Embedded (Kor/Eng) 32bit/64bit  
Window 10 Iot Enterprise 64bit

## Features



Intel 6th Core  
i3/i5/i7



Touch Screen



RS232/422/485



DP/HDMI/VGA



USB 3.0



RAID 0,1



Ethernet  
LAN(GbE)



Wireless LAN  
(Option)



Fanless



Dust-Proof

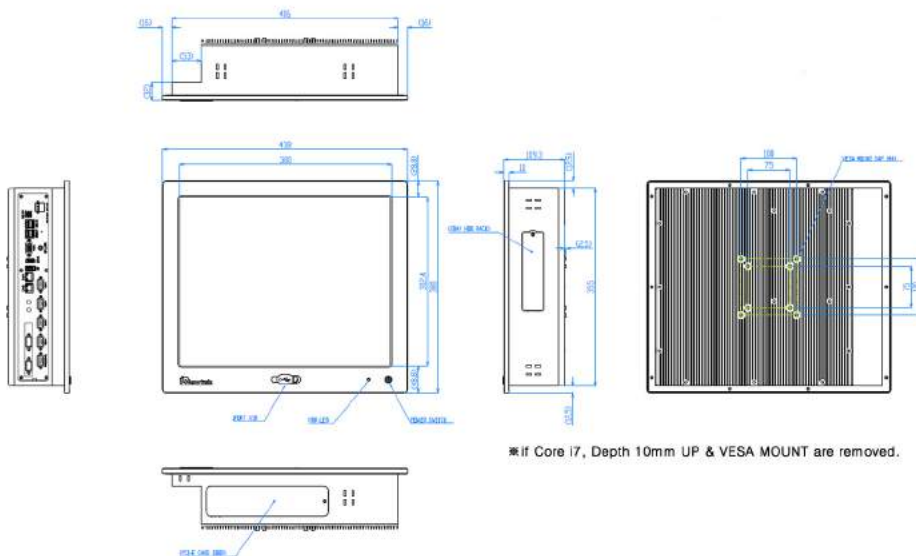


Power Isolation  
(Option)

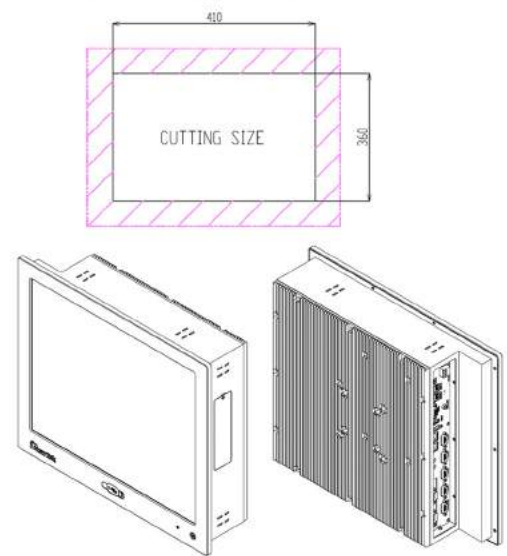


HDD-Rack  
(Option)

## Product Size



※ if Core i7, Depth 10mm UP & VESA MOUNT are removed.



# NTP21KLF-IP

Touch Screen Panel PC  
Intel 6th Generation i3 / i5 / i7  
Fanless&Dust-proof / Slim / Power isolation

## Panel PC



## Specification

<b>Display</b>	21.5" LED Backlight LCD/ TFT LCD Panel Resolution : Full HD 1920 x 1080 (16:9 aspect ratio) White Luminance : 300 cd /m' Contrast Ratio : 1000
<b>Touch Screen</b>	5-Wire Resistive Touch interface : USB
<b>System</b>	Processor : Intel 6th Core i3 / i5 / i7 Skylake CPU BIOS : AMI uEFI BIOS, 128Mbit SPI Flash ROM System Chipset : Q170 I/O Chipset : Nuvoton NCT6106D Memory : DDR4L 4G (Basic option) Two 260-pin SODDIM DDR4 2133Mhz up to 32G Storage : SSD Flash Disk 128G (Basic Option) Option : SSD 256G/512G/1TB Multi Display : Triple Audio Code : Realtek ALC888S, 5.1-CH HD Audio Codec Expansion : 1x PCIe(16x)
<b>I/O</b>	Serial Port : 4x RS-232, 1x RS485(or RS422 Selectable) Ethernet : 2x LAN(GbE) (LAN1 - Intel i219LM GbE LAN) (LAN2 - Intel 82574L GbE LAN <- supports EtherCAT) USB : 5x USB (4x USB 3.0 / 1x Silicon Front USB 2.0) HDMI : 1x HDMI (1.4a support max resolution 4096x2160@ 30Hz) DP : 1x DP (Max. resolution 4096 x 2304 @ 60Hz) VGA : 1x VGA (Max. resolution 1920 x 1200 @ 60Hz) Audio Interface : 1x Line Out(SPK-OUT) Terminal Block : 1x 3pin Terminal Block (DC12~24V, includes F.G pin)

## Features



## Electrical and Operating Requirements

Input : AC100~240V(Adaptor)  
DC12~24V(Terminal Block) (Option)  
Power Consumption : DC12V/10A(120W) or DC24V/5A(120W)  
Operating Temperature : 0°C ~50°C (32°F ~122°F)  
Storage Temperature : -20°C ~60°C  
Relative humidity : 0% ~ 90% noncondensing  
Installation Methods : LUG Bracket, VESA mount  
Dimension : 566 x 356 x 92.8  
Cutting Size : 538 x 328 (mm) Weight : 10.7 Kg

## Manufacturer

iNewtek Inc.  
Made in Korea

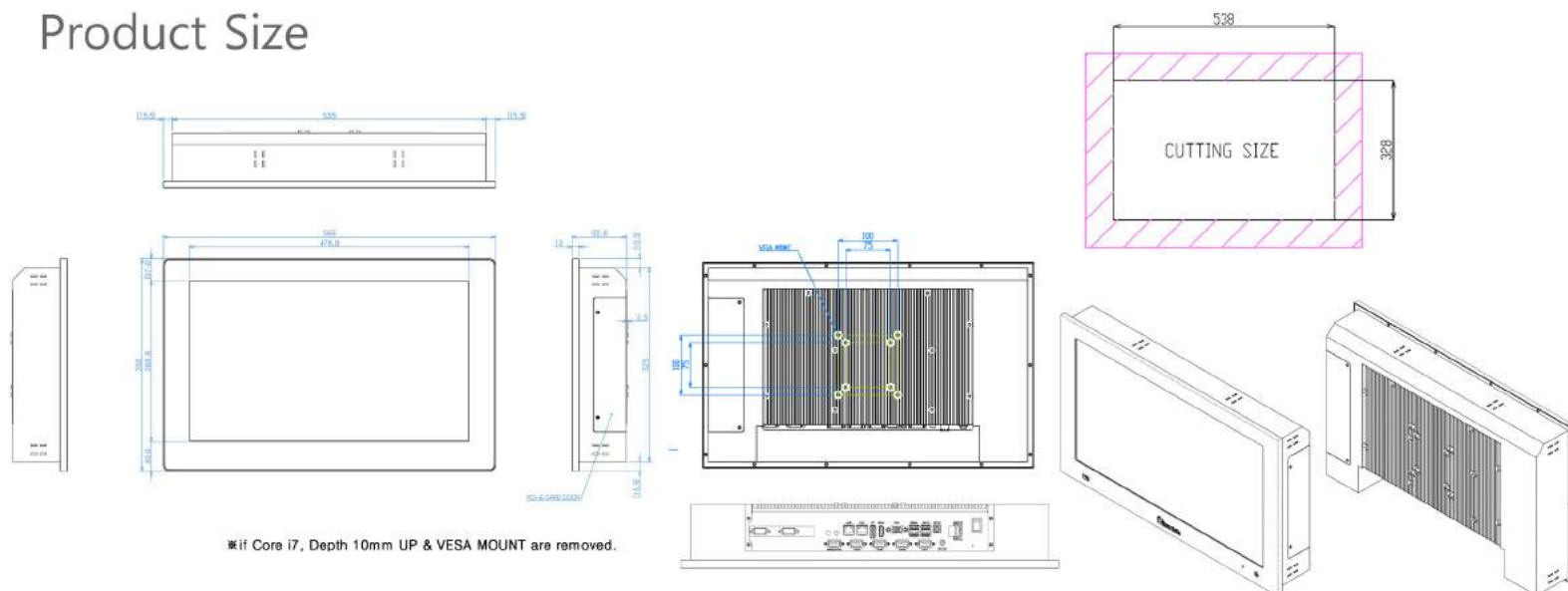
## Optional

**Wireless LAN** Intel Wireless LAN IEEE 802.11a/b/g/n (Mini PCI-E Slot)

**Power Isolation** DC Input Ground(GND) isolation

**O/S** Window 7 Pro for Embedded (Kor/Eng) 32bit/64bit  
Window 10 Iot Enterprise 64bit

## Product Size





# NTE410-10

**Quad Core ARM Cortex-A53, 1.2GHz**  
**Fanless / Dust-Proof**

## Embedded Panel PC

## Specifications

### Hardware

Display	10.4" LED Backlight LCD/TFT LCD Panel
	Resolution : 1024 x 768
	White Luminance : 400 cd /m <sup>2</sup>
	Contrast Ratio : 500
Touch Screen	5-Wire Resistive
CPU	Quad ARM Cortex-A53 @1.2GHz
RAM	1GB LPDDR3(option:2GB)
NAND	8GB eMMC(option:16GB)
LCD Panel	10.4inch (1024 x 768)
Display	LVDS
Touch Panel	Resistive / Capacitive Touch
Backlight	LED Backlight (ON / OFF)
Ethernet	1 Port, 10/100Mbps Ethernet
USB	USB Host (2.0) : 3 Ports
	USB Device (2.0) : 1 Port
Wi-Fi	802.11 b/g/n (2.4GHz only)
Bluetooth	Bluetooth 4.1 EDR + BLE
RS232	2 Port
RS485	option
SD interface	1 slot, SD3.0
Audio	3.5 Earphone Jack , Mic, Speaker-out
Digital I/O	Input 4ch
	Output 4ch
Power	DC 11V ~ 28V
Temperature	0 to 60℃

### O/S

**Windows 10 IOT core**  
**Android lollipop (5.1)**  
**Linux (based on ubuntu)**

## Option Products

Part Number	Description
NTE410-001 Ethernet	2xEthernet (Dual RJ45)
NTE410-002 SD Card	4/8/16/32G
NTE410-003 Cable	RS 232/485/ USB Cable



Meet 

## Features



Quad ARM Cor  
tex-A53 @ 1.2  
GHz



Fanless



Low Power  
Consumption



Low Heat



Ethernet  
10/100Mbps



RS232C



RS232/RS485



HDMI



USB 2.0

## Product Size

