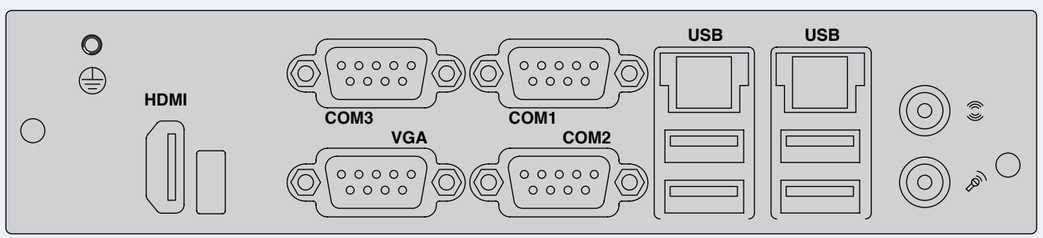
Dimensions

· 482mm(19") X 250mm(9.84") X 1U(44mm)

(Unit : mm)

I / O Interface

· Rear



General Specifications

Item	Specification
Normal Power consumption	13.1W
Ambient temperature	0ºC~ 50ºC
Storage temperature	-20ºC~ 60ºC
Ambient humidity	10%RH~85%RH (below 29ºC, No dew condensation)
Storage humidity	10%RH~85%RH (below 39ºC, No dew condensation)
Environment condition	800hPa~1114hPa (2000m or less)
Dust	0.1mg/m^3 or less
Pollution degree	Pollution degree 2
Corrosion gas	None
Vibration resistance	SSD storage type 9.8m/S^2, 10Hz~25Hz in X,Y,Z (80min)
Noise resistance	Impulse, EFT/Burse, Surge, ±2KV, 1uS
Static discharge resistance	4kV(IEC61000-4-2 LEVEL 3)

Options

Part Number	OS	Memory
NU1R	Win7 Pro, 64bit	4GB
	Win8.1, 64bit	8GB
	No OS	

CIMON CO.,LTD.

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USA : 3699 Wilshire Blvd, Suite 1250 Los Angeles CA 90010
Tel : 213-384-8703
Website : www.cimon.com

Version \ 1.2
Revision Date \ Aug, 2015
Printed \ Jun, 2015

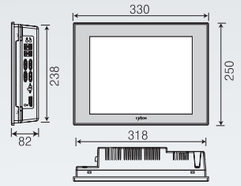
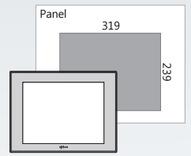
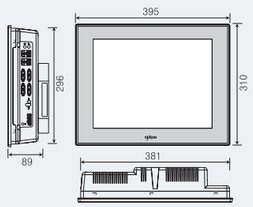
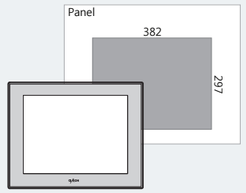
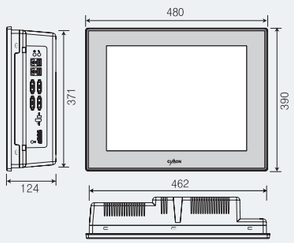
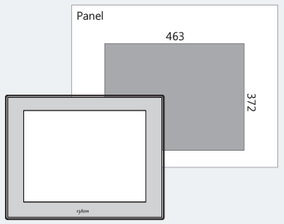
Touch Panel PC - *NP Series*

Benefits

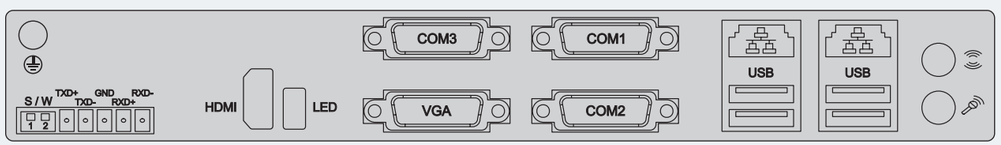
· Intel Baytrail-I Embedded Processor E3845 Quad Core 1.91GHz
· Solid-state drive (SSD) with 128GB (mSATA)
· Fanless design and low power consumption
· IP65 (front)
· OS (Option) :
Windows Embedded Standard 8.1 Industry Pro (64Bit)
Windows Embedded Standard 7P (32Bit/64Bit)
Windows 7 Professional DSP (32Bit)
· 12", 15", 19" LCD with Touch screen
· DDR3 memory up to 8GB
· 4x USB port, 2x Gigabit Ethernet
· Anti-Scratch panel

CM-NP Series H / W Specifications

	CM-NP12-A	CM-NP15-A	CM-NP19-A
DISPLAY	TFT COLOR LCD		
SIZE	12"	15"	19"
RESOLUTION	XGA (1024X768)		SXGA (1280X1024)
COLOR	16,700,000		
CPU	Intel Baytrail-I Embedded Processor E3845 Quad Core 1.91GHz		
TOUCH	Analog Resistive		
MEMORY	DDR3 SDRAM 2CH. 4GB-8GB 1333MT/s (Default: 4GB, 2CH)		
STORAGE	mSATA SSD 128 GByte		
GRAPHIC	Integrated Intel HD Graphic		
BLU	LED		
LCD BRIGHTNESS	700cd/m^2	450cd/m^2	250cd/m^2
EX. STORAGE	SATA X 1 (120GB)		
SERIAL (COM1, COM2, COM3)	RS232C		
SERIAL (COM4)	RS422 / 485		
ETHERNET	Gigabit Ethernet, RJ-45 / 2 Port		
USB	USB 2.0 / 4 Port		USB 2.0 / 6 Port (Front 2 Port)
SOUND	Line Out / 1 Port , Mic In / 1 Port		
OS (Selectable)	Windows Embedded Standard 8.1 Industry Pro / Windows Embedded Standard 7P / Windows 7 Professional (DSP)		
UTILITY PROGRAM	EWF / Winclon (Recovery System)		
ACTIVE CONSUMED ELECTRIC POWER	TBD		
POWER INPUT	AC100~240V (40.8W)		

	Dimensions	Panel Cut
NP12		
NP15		
NP19		

I / O Interface



General Specifications

Item	Specification
Energy consumption	30W or less
Ambient temperature	0ºC~ 50ºC
Storage temperature	-20ºC~ 60ºC
Ambient humidity	10%RH~85%RH (below 29ºC, No dew condensation)
Storage humidity	10%RH~85%RH (below 39ºC, No dew condensation)
Environment condition	800hPa~1114hPa (2000m or less)
Dust	0.1mg/m^3 or less
Pollution degree	Pollution degree 2
Corrosion gas	None
Vibration resistance	SSD storage type 9.8m/S^2, 10Hz~25Hz in X,Y,Z (80min)
Noise resistance	Impulse, EFT/Burse, Surge, ±2KV, 1uS
Static discharge resistance	4kV(IEC61000-4-2 LEVEL 3)

Options

Part Number	OS	Memory
NP12 NP15 NP19	Win7 Pro, 64bit	4GB
	Win8.1, 64bit	8GB
	No OS	

Rack type PC - *NU 1R Series*

Benefits

- Solid-state drive (SSD) with 128GB (mSATA)
- Fanless design and low power consumption
- OS (Option) :
  Windows Embedded Standard 8.1 Industry Pro (64Bit)
  Windows Embedded Standard 7P (32Bit/64Bit)
  Windows 7 Professional DSP (32Bit)
- DDR3 memory up to 8GB
- 6x USB port, 2x Gigabit Ethernet

CM-NU Series H / W Specifications

	CM-NU1R
CPU	Intel Baytrail-I Embedded Processor E3845 Quad Core 1.91GHz (Fanless)
MEMORY	DDR3 SDRAM 4GB (max, 8GB)
STORAGE	mSATA SSD 128 GByte
GRAPHIC	Integrated Intel HD Graphic
EX. STORAGE	SATA X 1
SERIAL (COM1)	RS232C
SERIAL (COM2)	RS232C
SERIAL (COM3)	RS232C
ETHERNET	Gigabit Ethernet, RJ-45 / 2 Port
USB	Front : USB 2.0 / 2 Port Rear : USB 2.0 / 4 Port
SOUND	Line Out / 1 Port, Mic In / 1 Port
EX. VIDEO	RGB, HDMI
*OS (Selectable)	Windows Embedded Standard 7P Windows Embedded Standard 8.1 Industry Pro Windows 7 Professional (DSP)
UTILITY PROGRAM	EWF / Winclon(Recovery System)
NORMAL POWER CONSUMPTION	TBD
MAX POWER INPUT	AC 100 ~ 240V (40W)