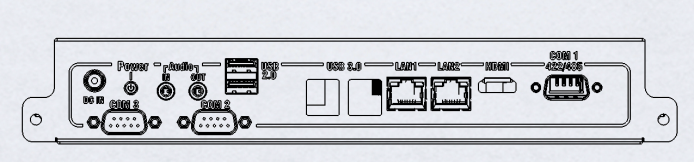
MODULAR PC SOLUTIONS

MDA N4200 Box Module



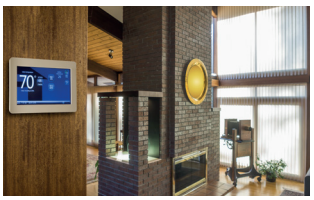
FEATURES

- Powered by Intel Apollo Lake N4200 processors
- Different Display Modules for every project requirements
- Wide Operating Temperature (0-60 degrees)
- Wide Range Power Input (+12 ~ +24 VDC)
- Optional Wireless Module or mSATA SSD Module

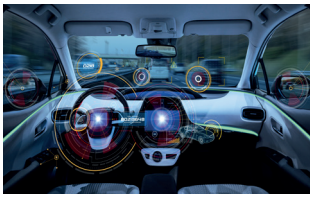
APPLICATIONS

- Industrial Automation
- Home Automation
- Digital Signage
- In-Vehicle System









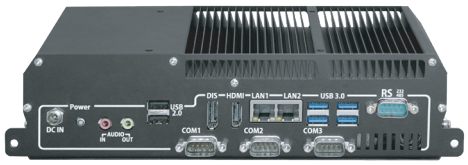
System Box Module	
Processor	Intel® Pentium™ Apollo Lake Quad Core 6W 1.1GHz/2.5 GHz
System Memory	1 x 204 Pin 1.5V DDR3-L SO-DIMM, expandable up to 8GB
Storage	1 x 2.5" SATA HDD / mSATA SSD
I/O	Serial port x 3 (RS232/422/485 x 1, RS232 x 2)
	USB x 6 (USB 3.0 x 4, USB 2.0 x 3)
	Ethernet, RJ-45, PCI-e Gbe LAN x 2
	HDMI 1.4a x 1
	Audio, Line out x 1, Line out x1, Phone Jack
Expansion Interface	2 x Mini PCI (1x full-size, 1x half-size)
OS Support	Microsoft Windows 10, Linux
Power Requirement	DC Jack, +12V~+24V Wide Range Input
Mechanical	
Construction	Heavy-duty steel chassis (Black), Aluminum Heatsink
Operation Temp.	32°F ~ 140°F (0°C ~ 60°C) with Ambient Air
Storage Temp.	-22°F ~ 175°F (-30°C ~ 80°C)
Relative Humidity	10~90% @40°C, Non-condensing
Vibration	5-17Hz, 0.1" double amplitude peak to peak, 1.5G acceleration peak to peak
Shock	10G acceleration peak to peak (11ms)
Rating	IP 65 compliant front bezel
Qualification	Formal certification CE/FCC Class B
Mounting	Panel/ VESA 100/ Wall/ Clamp Type
Dimension	128 x 44 x 268 mm
Packing Dimension	580 x 180 x 420 mm
System Weight(N.W.)	2.0 KG
Weight with Packing(G.W.)	3.2 KG
Optional Order	
Memory	DDR3-L 2GB, DDR3-L 4GB, DDR3-L 8GB
Storage	2.5" SATA HDD 500GB~1TB, SSD 16GB~256GB
OS	Microsoft Windows 10, Linux
Wifi LAN	RTL8188CUS-BC8-WB
Power	DC to Power Terminal Adapter

Modularized Industrial Panel PC Display Module

10.4"	12.1"	15"	17"	21.5"	23.8"	27"
						

MODULAR PC SOLUTIONS

MDI i3 Box Module



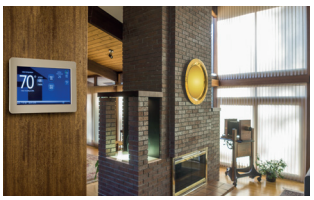
FEATURES

- Powered by Gen7 Intel® Core™ U-series i3 7100U 2.4 GHz processors
- Different Display Modules for every project requirements
- USB 3.0, Dual Gbe Ethernet port
- Wide Range Power Input (+12 ~ +24 VDC)
- Optional Wireless Module or mSATA SSD Module

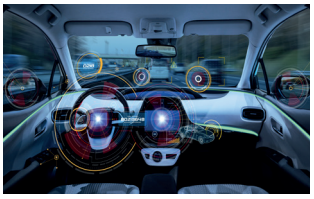
APPLICATIONS

- Industrial Automation
- Home Automation
- Digital Signage
- In-Vehicle System









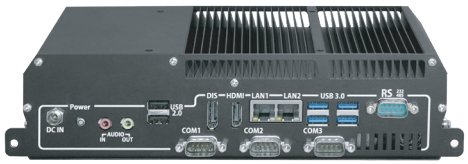
System Box Module	
Processor	Intel® Core™ 7th Generation i3 7100U 2.4 GHz
System Memory	2 x DDR4-2133 SO-DIMM, Max 32GB (Non-ECC)
Storage	2.5" SATA HDD / mSATA SSD
I/O	Serial port x 4 (RS232/422/485 x 1, RS232 x 3)
	USB x 6 (USB 3.0 x 4, USB 2.0 x 3)
	Ethernet, RJ-45, PCI-e Gbe LAN x 2
	HDMI 1.4a x 1, DisplayPort 1.2 x 1
	Line in x 1, Line out x 1, Phone Jack
Expansion Interface	Mini PCI x 1
OS Support	Microsoft Windows 7/ 10, Linux
Power Requirement	DC Jack, +9V~+24V, Wide Range Input
Mechanical	
Construction	Heavy-duty steel chassis (Black), Aluminum Heatsink
Operation Temp.	32°F ~ 140°F (0°C ~ 60°C) with Ambient Air
Storage Temp.	-22°F ~ 175°F (-30°C ~ 80°C)
Relative Humidity	10~90% @40°C, Non-condensing
Backlight Lifetime	50,000hrs / LED
Vibration	5-17Hz, 0.1" double amplitude peak to peak, 1.5G acceleration peak to peak
Shock	10G acceleration peak to peak (11ms)
Rating	IP 65 compliant front bezel
Qualification	Formal certification CE/FCC Class B
Mounting	Panel/ VESA 100/ Wall/ Clamp Type
Dimension	128 x 64.4 x 268 mm
Packing Dimension	580 x 180 x 420 mm
System Weight(N.W.)	2.0 KG
Weight with Packing(G.W.)	3.2 KG
Optional Order	
Memory	DDR4 2GB, DDR4 4GB, DDR4 8GB, DDR4 16GB
Storage	2.5" SATA HDD 500GB~1TB, SSD 16GB~256GB
OS	Microsoft Windows 7/ 10, Linux
Wifi LAN	RTL8188CUS-BC8-WB
Power	DC to Power Terminal Connector

Modularized Industrial Panel PC Display Module

10.4"	12.1"	15"	17"	21.5"	23.5"	27"
						

MODULAR PC SOLUTIONS

MDI i5 Box Module



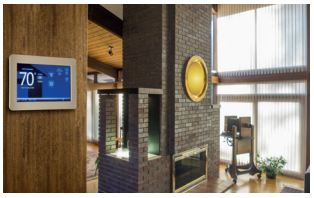
FEATURES

- Powered by Gen7 Intel® Core™ U-series i5 7300U 2.6 GHz / 3.5 GHz processors
- Different Display Modules for every project requirements
- USB 3.0, Dual Gbe Ethernet port
- Wide Range Power Input (+12 ~ +24 VDC)
- Optional Wireless Module or mSATA SSD Module

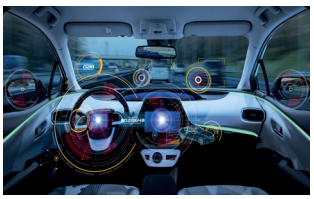
APPLICATIONS

- Industrial Automation
- Home Automation
- Digital Signage
- In-Vehicle System









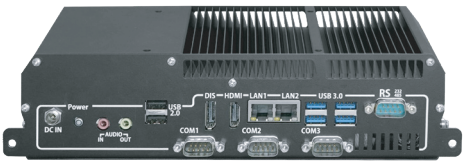
System Box Module	
Processor	Intel® Core™ 7th Generation i5 7300U 2.6 GHz / 3.5 GHz
System Memory	2 x DDR4-2133 SO-DIMM, Max 32GB (Non-ECC)
Storage	2.5" SATA HDD / mSATA SSD
I/O	Serial port x 4 (RS232/422/485 x 1, RS232 x 3)
	USB x 6 (USB 3.0 x 4, USB 2.0 x 3)
	Ethernet, RJ-45, PCI-e Gbe LAN x 2
	HDMI 1.4a x 1, DisplayPort 1.2 x 1
	Line in x 1, Line out x 1, Phone Jack
Expansion Interface	Mini PCI x 1
OS Support	Microsoft Windows 7/ 10, Linux
Power Requirement	DC Jack, +9V~+24V, Wide Range Input
Mechanical	
Construction	Heavy-duty steel chassis (Black), Aluminum Heatsink
Operation Temp.	32°F ~ 140°F (0°C ~ 60°C) with Ambient Air
Storage Temp.	-22°F ~ 175°F (-30°C ~ 80°C)
Relative Humidity	10~90% @40°C, Non-condensing
Backlight Lifetime	50,000hrs / LED
Vibration	5-17Hz, 0.1" double amplitude peak to peak, 1.5G acceleration peak to peak
Shock	10G acceleration peak to peak (11ms)
Rating	IP 65 compliant front bezel
Qualification	Formal certification CE/FCC Class B
Mounting	Panel/ VESA 100/ Wall/ Clamp Type
Dimension	128 x 64.4 x 268 mm
Packing Dimension	580 x 180 x 420 mm
System Weight(N.W.)	2.0 KG
Weight with Packing(G.W.)	3.2 KG
Optional Order	
Memory	DDR4 2GB, DDR4 4GB, DDR4 8GB, DDR4 16GB
Storage	2.5" SATA HDD 500GB~1TB, SSD 16GB~256GB
OS	Microsoft Windows 7/ 10, Linux
Wifi LAN	RTL8188CUS-BC8-WB
Power	DC to Power Terminal Connector

Modularized Industrial Panel PC Display Module

10.4"	12.1"	15"	17"	21.5"	23.5"	27"
						

MODULAR PC SOLUTIONS

MDI i7 Box Module



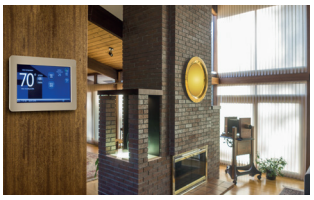
FEATURES

- Powered by Gen7 Intel® Core™ U-series i7 7600U 2.8 GHz / 3.9 GHz processors
- Different Display Modules for every project requirements
- USB 3.0, Dual Gbe Ethernet port
- Wide Range Power Input (+12 ~ +24 VDC)
- Optional Wireless Module or mSATA SSD Module

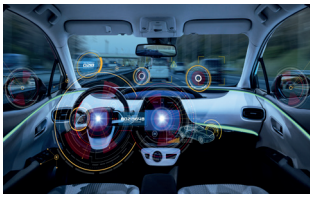
APPLICATIONS

- Industrial Automation
- Home Automation
- Digital Signage
- In-Vehicle System









System Box Module	
Processor	Intel® Core™ 7th Generation i7 7600U 2.8 GHz / 3.9 GHz
System Memory	2 x DDR4-2133 SO-DIMM, Max 32GB (Non-ECC)
Storage	2.5" SATA HDD / mSATA SSD
I/O	Serial port x 4 (RS232/422/485 x 1, RS232 x 3)
	USB x 6 (USB 3.0 x 4, USB 2.0 x 3)
	Ethernet, RJ-45, PCI-e Gbe LAN x 2
	HDMI 1.4a x 1, DisplayPort 1.2 x 1
	Line in x 1, Line out x 1, Phone Jack
Expansion Interface	Mini PCI x 1
OS Support	Microsoft Windows 7/ 10, Linux
Power Requirement	DC Jack, +9V~+24V, Wide Range Input
Mechanical	
Construction	Heavy-duty steel chassis (Black), Aluminum Heatsink
Operation Temp.	32°F ~ 140°F (0°C ~ 60°C) with Ambient Air
Storage Temp.	-22°F ~ 175°F (-30°C ~ 80°C)
Relative Humidity	10~90% @40°C, Non-condensing
Backlight Lifetime	50,000hrs / LED
Vibration	5-17Hz, 0.1" double amplitude peak to peak, 1.5G acceleration peak to peak
Shock	10G acceleration peak to peak (11ms)
Rating	IP 65 compliant front bezel
Qualification	Formal certification CE/FCC Class B
Mounting	Panel/ VESA 100/ Wall/ Clamp Type
Dimension	128 x 64.4 x 268 mm
Packing Dimension	580 x 180 x 420 mm
System Weight(N.W.)	2.0 KG
Weight with Packing(G.W.)	3.2 KG
Optional Order	
Memory	DDR4 2GB, DDR4 4GB, DDR4 8GB, DDR4 16GB
Storage	2.5" SATA HDD 500GB~1TB, SSD 16GB~256GB
OS	Microsoft Windows 7/ 10, Linux
Wifi LAN	RTL8188CUS-BC8-WB
Power	DC to Power Terminal Connector

Modularized Industrial Panel PC Display Module

10.4"	12.1"	15"	17"	21.5"	23.5"	27"
						