

Introducing the new BIS-6590 with a new generation of the ICEFIN Fanless system. The large heat-dissipating fin appearance, compact, measures only 280mm \times 219.2mm \times 115 mm. The fanless system supports Intel H61/Q77/B75 chipset. Also with support for Intel Sandy Bridge / Ivy Bridge Core i3/i5 / Celeron family processor , 2x DDR3 DIMM slots support dual channel DDR3 1066/1333/1600 MHz , with maximum memory of up to 16GB . Does not support ECC . The VGA + DVI dual independent display outputs supports resolutions up to 2048x 1536. The fanless system also provides 1x SATA II / SATAIII hard disk interface , 6x USB 2.0, 2x COM, 2x Gigabit Ethernet ports and 1x8 channel GPIO . It also provides 1x PCIex4, 2x PCI for expansion flexibility. Other features include Wake on LAN and watchdog and other advanced features.

This system can be used for Intelligent Transportation, Information Control, On-Board Vehicle Computing, Media Players, Digital Signage, Industrial Automation and many other applications.

BIS-6590



Fanless Ivy Bridge Dual GbE Barebone with PCI and PCIe

Features:

- Highly efficient fanless design supports up to 65W TDP CPUs
- · Vent-hold free construction with two expansion slots
- B75 chipset supports 3rd generation Intel® Core™ i3/i5/i7 processors
- Mini-PCle expansion with one SIM socket for Wifi and 3G/4G modules
- Two Gigabit Ethernet ports and six USB ports
- Expandable to six COM ports with up to 5 RS-485 configuration

Specifications:

Processor Intel 2nd & 3rd Core i3/i5/i7 (LGA1155) Chipset Intel B75 (with H61 and Q77 option) System Memory 2x 240-Pin DDR3 SDRAM, up to 16GB Ethernet 2x RJ45 ,Realtek RTL8111E GbE x2 Storage 1x SATA 6Gb/s, optional mSATA via mini-PCIe Expansion 1x mini-PCIe with SIM, option of 2x PCI or 1x PCI + 1x PCIe x4 slots Cooling System Fanless, power design supports up to 65W TDP CPUs Power Supply 12V DC 3-pin mini-DIN power jack Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA-2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port	BIS-6590	
System Memory 2x 240-Pin DDR3 SDRAM, up to 16GB Ethernet 2x RJ45 ,Realtek RTL8111E GbE x2 Storage 1x SATA 6Gb/s, optional mSATA via mini-PCIe Expansion 1x mini-PCIe with SIM, option of 2x PCI or 1x PCI + 1x PCIe x4 slots Cooling System Fanless, power design supports up to 65W TDP CPUs Power Supply 12V DC 3-pin mini-DIN power jack Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA-2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Features and Options Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI	Processor	Intel 2nd & 3rd Core i3/i5/i7 (LGA1155)
Ethernet 2x RJ45 ,Realtek RTL8111E GbE x2 Storage 1x SATA 6Gb/s, optional mSATA via mini-PCIe Expansion 1x mini-PCIe with SIM, option of 2x PCI or 1x PCI + 1x PCIe x4 slots Cooling System Fanless, power design supports up to 65W TDP CPUs Power Supply 12V DC 3-pin mini-DIN power jack Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA- 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port - Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control - Watchdog Timer Programmable timer system reset Features and Options Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCI ex 4 expansion slots Enclosure Materials <t< td=""><td>Chipset</td><td>Intel B75 (with H61 and Q77 option)</td></t<>	Chipset	Intel B75 (with H61 and Q77 option)
Storage 1x SATA 6Gb/s, optional mSATA via mini-PCle Expansion 1x mini-PCle with SIM, option of 2x PCl or 1x PCl + 1x PCle x4 slots Cooling System Fanless, power design supports up to 65W TDP CPUs Power Supply 12V DC 3-pin mini-DIN power jack Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA - 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Features and Options Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum - Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	System Memory	2x 240-Pin DDR3 SDRAM, up to 16GB
Expansion 1x mini-PCle with SIM, option of 2x PCl or 1x PCl + 1x PCle x4 slots Cooling System Fanless, power design supports up to 65W TDP CPUs Power Supply 12V DC 3-pin mini-DIN power jack Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA-2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum - Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Ethernet	2x RJ45 ,Realtek RTL8111E GbE x2
Expansion x4 slots Cooling System Fanless, power design supports up to 65W TDP CPUs Power Supply 12V DC 3-pin mini-DIN power jack Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA - 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Storage	1x SATA 6Gb/s, optional mSATA via mini-PCle
Power Supply 12V DC 3-pin mini-DIN power jack Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA - 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Features and Options Panless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Expansion	· ·
Graphic Controller Intel integrated HD Graphics 4000 Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA-2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Features and Options Programmable timer system reset Features and Options Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Cooling System	Fanless, power design supports up to 65W TDP CPUs
Video Memory Shared, up to 1686MB Display Interface 1x VGA, 1x DVI-D Display Resolution VGA - 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Features and Options Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCI ex 4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Power Supply	12V DC 3-pin mini-DIN power jack
Display Interface 1x VGA, 1x DVI-D Display Resolution VGA - 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Graphic Controller	Intel integrated HD Graphics 4000
Display Resolution VGA - 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200 Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Video Memory	Shared, up to 1686MB
Serial Port 1x RS-232 DB9, 1x RS-232/422/485 DB9, optional add-on of 4x RS-232 or RS-485 ports USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Display Interface	1x VGA, 1x DVI-D
USB 6x USB2.0 PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Display Resolution	VGA - 2048x 1536, DVI-D - 1920x 1200, HDMI - 1920x 1200
PS/2 Port Digital I/O 8bit GPIO internal header Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel® HD Graphics with DirectX 11 support, Dual Intel® Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Serial Port	
Digital I/O Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	USB	6x USB2.0
Audio HD Audio, Realtek ALC892, Line-out, MIC-in Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	PS/2 Port	
Rear Panel 1x VGA, 1x DVI-D, 2x COM, 2x RJ45, 6x USB, 2x Audio, 1x DC IN Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Digital I/O	8bit GPIO internal header
Front LED/Control Front LED/Control Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Audio	HD Audio, Realtek ALC892, Line-out, MIC-in
Watchdog Timer Programmable timer system reset Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Rear Panel	
Fanless design supports up to 65W TDP CPUs, Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Front LED/Control	
Features and Options Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one PCIe x4 expansion slots Enclosure Materials Aluminum + Steel Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Watchdog Timer	Programmable timer system reset
Coating Processes Aluminum Oxidation Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Features and Options	Intel® HD Graphics with DirectX 11 support, Dual Intel Gigabit Ethernet ports, SATA III 2.5" HDD or SSD internal drive bay, 12V DC input, support two PCI or one PCI + one
Mounting Option Desktop and Wall Mountable With VESA Kit Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Enclosure Materials	Aluminum + Steel
Color Black (Default), Custom Color Available On OEM Order Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Coating Processes	Aluminum Oxidation
Operating Temperature 0 °C - 60 °C (32°F - 140 °F) Standard	Mounting Option	Desktop and Wall Mountable With VESA Kit
	Color	Black (Default), Custom Color Available On OEM Order
Dimensions 244mm × 156mm × 54mm (W×D×H)	Operating Temperature	0 °C - 60 °C (32°F - 140 °F) Standard
	Dimensions	244mm × 156mm × 54mm (W×D×H)





