

U6-500 Series

8th Intel® Core™ Processor Ultra-compact Fanless Box Computer

EFCO



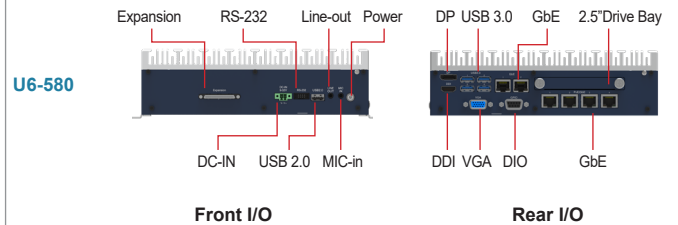
Specifications

System	
CPU	Intel® Core™ i7-8665UE, Quad Core 1.7 GHz(Turbo Boost 4.4 GHz), 8MB cache, TDP 15-25W, GT2 Graphics Intel® Core™ i5-8365UE, Quad Core 1.6 GHz(Turbo Boost 4.1 GHz), 6MB cache, TDP 15-25W, GT2 Graphics Intel® Core™ i3-8145UE, Dual Core 2.2 GHz(Turbo Boost 3.9 GHz), 4MB cache, TDP 15-25W, GT2 Graphics Intel® Celeron® 4305UE, Dual Core 2.0 GHz, 2MB cache, TDP 15W, GT1 Graphics
Chipset	Integrated in SoC
BIOS	AMI Aptio® UEFI 2.x firmware
Memory	SO-DIMM DDR4 up to 2400 MT/s 2x SO-DIMM socket, up to 64GB
Graphics	
Display	1x DDI/VGA 1x DP
Controller	Intel® UHD Graphics 620(Core-i) Intel® UHD Graphics 610(Celeron)
Power	
DC Input	9~32VDC
Mechanical	
Dimensions (WxDxH)	229.8x129x64.9mm
Weight	1.7Kg
External IO	
Ethernet	6x RJ45 GbE (U6-500)
USB 3.0/2.0	4x USB 3.0/2.0 port, 1x USB 2.0
COM	1x RS-232/422/485, 5x RS-232
Digital I/O	16-bit programmable GPIO
Audio	1x Mic in, 1x Line out
Storage	
SATA	1x mSATA socket
Drive Bay	1x 2.5" Removable
SIM	2x USIM slot
Expansion Slot	
Mini-PCIe	2x full length Mini-PCIe socket (PCIe + USB + USIM)
Other	
Watchdog Timer	Multistage
Power Management	ACPI 5.0 compliant
Environment	
Operating Temperature	Operation: -20°C~60°C
Storage Temperature	Storage: -40°C~85°C Operation:10% to 90%
Operating Humidity	10% ~ 90% Humidity, non-condensing
Storage Humidity	5% ~ 95% Humidity, non-condensing
Certification	CE/CB/FCC Class A
OS Support	
Windows	Windows 10 64bit Windows 10 IoT 64-bit Windows 11 64bit Windows 11 IoT 64bit
Linux	Linux

Features

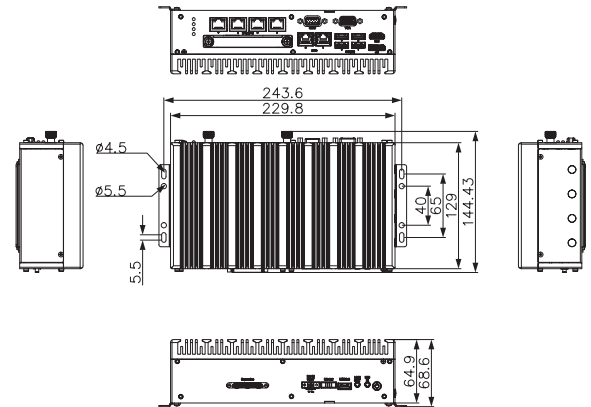
- Ultra-compact size: 229.8x129x64.9mm
- 8th Intel® Core™ processor (Whiskey Lake)
- Wide-Range DC voltage input: 9V~32V
- Fanless system, aluminum alloy structure
- 6x RJ45 GbE Ethernet
- 1x RS-232/422/485, 5x RS-232
- Multi display: 1x DDI and 1x DP
- 2x Mini-PCIe with SIM socket (PCIe + USB + USIM)
- 1x mSATA socket, 1x 2.5" drive bay for HDD/SSD
- 16-bit programmable GPIO

I/O Interfaces



Dimensions

Units: mm



Ordering Information

Model Name

U6-580/i7-8665UE	Intel® Core™ i7 8665UE
U6-580/i5-8365UE	Intel® Core™ i5 8365UE
U6-580/i3-8145UE	Intel® Core™ i3 8145UE
U6-580/4305UE	Intel® Celeron™ 4305UE

Optional Accessories

Model Name

SSD	mSATA 32GB/64GB/128GB/256GB
Adapter	24VDC/60W/120W/160W power adapter
Power Cord	US/Germany/UK/Australia/China
Wireless Module	3G/3G + GPS/4G/4G + GPS/4G + WIFI