

# 1ST-1U-F35

## Fanless 1U Industrial Computer

with 8th or 9th Gen Intel® Core™ Processor



Fanless 1U Industrial Computer 1ST-1U-F35 with 8th or 9th Gen. Intel® Core™ Processor (with 35W TDP), 2x Gigabit LAN, 4x USB2, 4x USB3, HDMI and Display Port, 2x DDR4-260Pin RAM Sockets for up to 32 GB DRAM, 2x SATA3 HDD/SSD tray, mini PCIe connector (mSATA), 1x M.2 Socket 2260/2280 M key with SATA and PCIe x2/x4 support, Intel® Optane™ Memory Ready, 1x M.2 Socket for an Intel® CNVi or a PCIe wireless module, fanless cooling design with heat pipe.

Applications: Industrial Automation, Industry 4.0, IoT, Metering, Machine Vision.

	Items	Descriptions
Chassis	Color	Black
	Dimensions(WxDxH)	482,6x278x43,6mm
	Front Panel	1U Rackmount
	Security	Kensington lock
	Cooling Design	Aluminum Fanless CPU cooling design with heat pipes
Motherboard	CPU	Intel® 8th/9th Generation Core™ i3/i5/i7-T processor, supporting Intel® vPro™ Technology
	Chipset	Intel® Q370 Express
	System Memory	2x DDR4 SO-DIMM socket supporting up to 32 GB of system memory
	BIOS	128 MB Flash ROM, UEFI AMI BIOS, PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
Storage	SSD	2x 2,5" SATA mobile tray from front side, Raid 0/1 compatible
	Hard Disk	Optional 2x 2,5" HDD/SSD tray internally
	M.2	1x M.2 connector on the back of the motherboard (Socket 3, M key, type 2260/2280 SATA and PCIe x2/x4 SSD support) Intel® Optane™ Memory Ready
Ethernet	Interface	2x 10/100/1000 Mbps RJ-45 ports
	Ethernet Chip	Intel® Gigabit LAN Controller i211AT and i219LM
Graphic		Integrated Graphics Processor-Intel® HD Graphics support: 1x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz Support for HDMI 2.0 version, HDCP 2.2 and HDR 1x DisplayPort with max. resolution 4096 x 2304 @ 60 Hz Maximum shared memory of 1024 MB
System I/O	USB	4x USB 3 ports (2x at back panel, blue, 2x at front panel, blue) 4x USB 2.0/1.1 ports (2x at front panel, black, 2x internally)
	COM	4x COM port connector internally
	Expansion	1x full size mini PCIe connector (mSATA_PClE) The mSATA_PClE connector can also be used as an mSATA connector 1x PCI Express 3.0 x4 slot 1x M.2 Socket for an Intel® CNVi or a PCIe wireless module
	Audio	Realtek® ALC887 2/4/5.1 Channel High Definition Audio CODEC
	4G Modem	optional
Power Supply	Power Consumption	90W DC power supply
	Power Input	100 ~ 240VAC
Environments	Mounting	Rackmount / Desk or VESA Mounting
	Operating temperature	0°C ~ 40°C

All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners.

## Packing List

1x 1ST-1U-F35 system
1x 90W External Power Supply
1x Support DVD

