



UP Xtreme i11 Edge Compute Enabling Kit

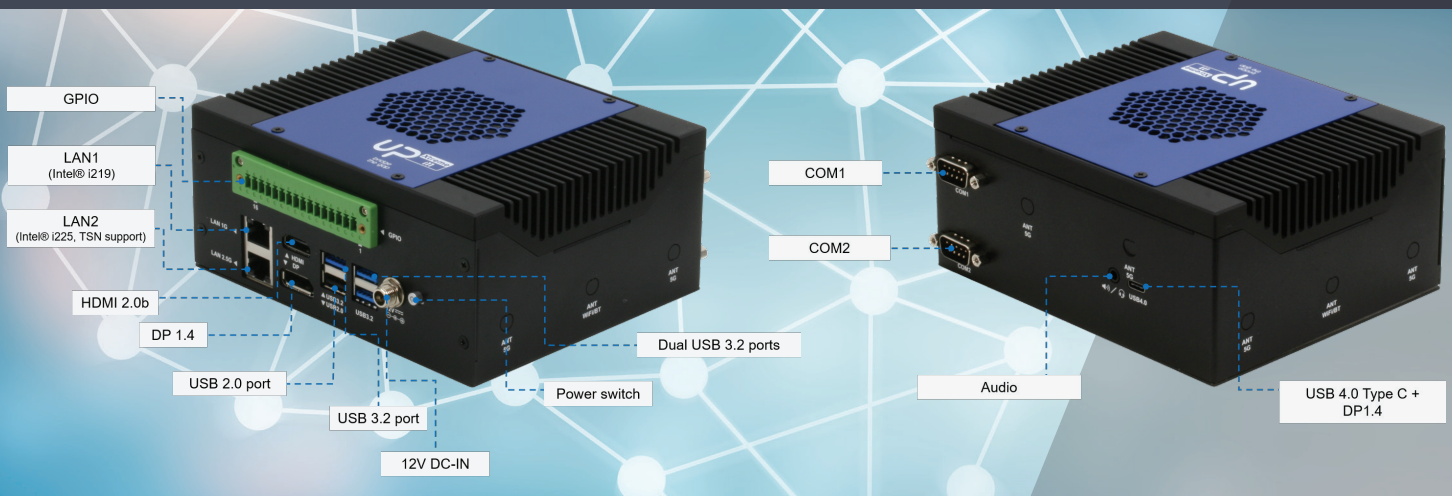
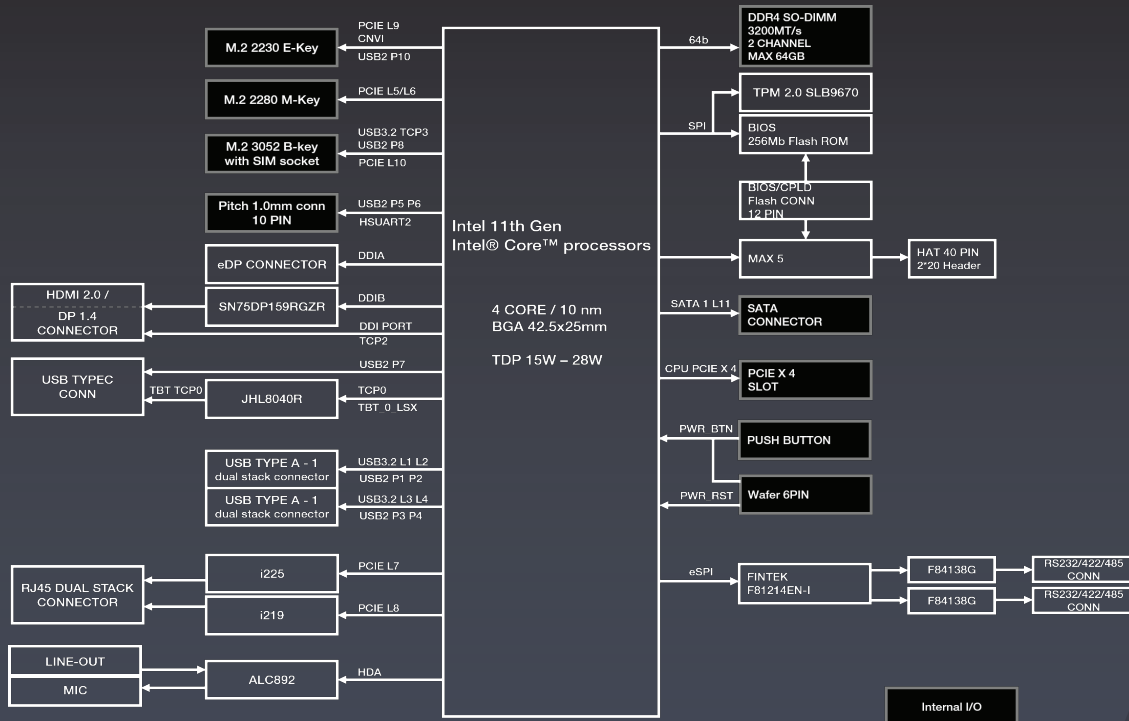
Introducing the next generation in edge computing with 5G capabilities to deliver seamless connectivity, powered by the latest Intel® 11th Gen Core™ processors with Iris® Xe graphics.



TECH SPECIFICATIONS

System	UP Xtreme i11 Edge	Operating temp	Target 0-60°C
SoC	Intel® Core™ i7-1185GRE (up to 4.4 GHz) Intel® Core™ i5-1145GRE (up to 4.1 GHz) Intel® Core™ i3-1115GRE (up to 3.9 GHz) Intel® Celeron 6305E (up to 2.0 GHz)	Storage temp	-40°F ~ 176°F (-40°C ~ 80°C)
# of Cores	i3-1115GRE/ Celeron 6305E-Duo Core i7-1185GRE/i5-1145GRE-Quad Core	Operating humidity	0% ~ 90% relative humidity, non-condensing
Graphics	Intel® Iris® Xe Graphics - i7-1185GRE/i5-1145GRE Intel® UHD Graphics for 11th Gen Intel® Processors-i3-1115GRE/ Celeron 6305E	Certification	CE, FCC Class A, RoHS compliant
VPU	Optional (via M.2 2280)	Display	1 (HDMI 2.0b) 1x DP + 1x DP 1.4 (via USB Type C) 1 x eDP (4K@60hz)
FPGA	Intel® FPGA Altera MAX 5	Audio	Audio Jack (Realtek ALC888S/ALC897 colay)
System memory	2x DDR4 2 channel SO-DIMM VERTICAL MAX 64GB @ 3200MT/s	I/O	USB: 3x USB 3.2, 1x USB 4.0 (Thunderbolt Type C), 1x USB 2.0 Type A UART: 1 x HSUART (pin header) Serial Port: Fintek F81801, 2x RS232/422/485 HDD interface: 1 x SATA 3.0 SIM Slot x1 Others: Phoenix 3V3, 5V, GND, I2C, GPIO x8, PWM x2 Infineon TPM SLB9670 on board
Storage capacity	via 1x SATA 3.0 CONN with POWER CONN / 1xM.2 2280 M key (combo 2x PCIe(x1)) NVME	Expansion Slot	1x M.2 2280 M key (support NVME SSD) 1x M.2 2230 E key 1x M.2 3052 B Key (USB 3.0 interface) with SIM 1x PCI-e[x4] (adapter board accessory required)
BIOS	UEFI	Connectivity	Ethernet via 1 x 1GbLAN (i219), 1x 2.5Gb LAN (i225), WiFi optional (via M.2 2230) Bluetooth optional (via M.2 2230) LTE/4G/5G optional (via M.2 3052)
RTC	Yes	Cooling	Active heatsink
WAKE ON LAN (WoL)	Yes	Mounting	VESA mounting plate included
WATCHDOG TIMER	Yes	Package net weight	2.3kg
PXE	Yes	Gross weight	3.6kg
Compatible OS	Microsoft Windows 10 full version, Yocto project 3.0/3.1 Kernel 5.4, Ubuntu 20.04 Kernel 5.8	Product dimension	152 x 124 x 66.5 mm (5.98" x 4.88" x 2.61")
Inference toolkit	Intel® Distribution of OpenVINO™ toolkit 2021 R1	Package dimension	585*565*175mm
Supported Frameworks	TensorFlow, Caffe	HS Code	8471500000
Power Requirement	12V DC-IN (lockable connector)	ECCN code	4A994
Power Supply type	AT/ATX	Country of Origin	Taiwan
Power Consumption	32W (typical)	Longivity	2035

block diagram



Artificial Intelligence on the edge

Expand your UP Xtreme i11 Compute Enabling Kit to fit your exact needs



M.2 2230 WiFi kit
Intel® Wireless-AC 9260
(802.11ac, Bluetooth 5.0)



UP AI Core XM 2280
AI hardware accelerator with
2x Intel® Movidius™ Myriad™ X