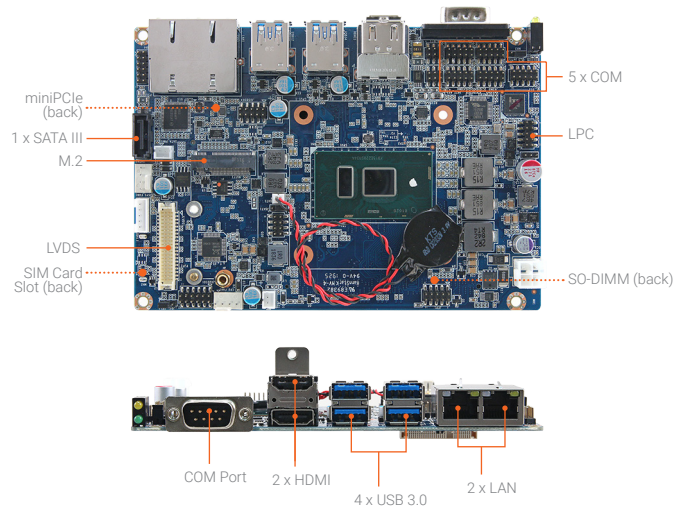


Features

- Top Layer Soldered Processor
- Single DRAM Socket, Max. Up to 16GB DDR4 2133MT/s
- Triple Display (Dual HDMI, Dual-Ch 18/24-bit LVDS)
- Dual Expansion Slot, M.2 Key-B, Full Size mPCIe
- Dual Gigabit Ethernet, HD Audio Code
- TPM 2.0



Specifications

System	
Processor	7th Gen Intel® Core™ i7-7600U (2-Core, 2.8GHz processor) 7th Gen Intel® Core™ i5-7300U (2-Core, 2.6GHz processor) 7th Gen Intel® Core™ i3-7100U (2-Core, 2.4GHz processor) 7th Gen Intel® Celeron® 3965U (2-Core, 2.2GHz processor)
System Chipset	Intel® QM175 Express Chipset
System Memory	1 x 260-Pin SO-DIMM Socket, Max. Up to 16 GB DDR4 2133MT/s
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
I/O Chip	EC IT8528E
Audio	Realtek ALC892, supports 5.1-CH
Ethernet	LAN 1: Intel® I211AT Gigabit Ethernet Controller LAN 2: Intel® I219LM Gigabit Ethernet Controller
Expansion	1 x Full Size mPCIe 1 x M.2 (B-Key, 2242/3042) with Micro SIM Card connector for 3G/4G 1 x SIM Card Slot
Storage	1 x mSATA (Shared mPCIe) 1 x M.2 (B-Key, PCIe, USB) 1 x SATAIII
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec. and 1sec./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
OS Support	Win 10, Linux
Display	
Chipset	Intel® HD Graphics 620 (i7-7600U, i5-7300U, i3-7100U) Intel® HD Graphics 610 (Celeron 3965U)
Resolution	HDMI 1.4: Max. Resolution 4096x2160 @ 24Hz LVDS: Max. Resolution 1920x1080 @ 60Hz
Multiple Display	Supports Triple Display
External I/O	
USB	4 x USB 3.0
Display	2 x HDMI
LAN	2 x RJ45
COM	1 x RS-232/422/485

Internal I/O	
LVDS	1 x LVDS
USB	2 x USB 2.0
COM	4 x RS232, 1 x RS422/485
SATA	1 x SATA III
DIO	1 x 8-bit GPIO
MIO	1 x LPC, 1 x SPI

Mechanical & Environment	
Power Requirement	+12V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)
Certification info	CE, FCC Class B
Vibration Test	1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/Axis, 3 Axis
Shock Test	10G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces

Ordering Info	
ECM-KBLU-7600U	3.5" Intel® Core™ i7-7600U/6USB/6COM/2LAN/A1
ECM-KBLU-7300U	3.5" Intel® Core™ i5-7300U/6USB/6COM/2LAN/A1
ECM-KBLU-7100U	3.5" Intel® Core™ i3-7100U/6USB/6COM/2LAN/A1
ECM-KBLU-3965U	3.5" Intel® Celeron 3965U/6USB/6COM/2LAN/A1

* All product specifications and images are subject to change without notice. Last update: 2021/02/23

