



SPECIFICS

SYSTEM INFORMATION	
PROCESSORS	Intel® Core™ i3-1115G7E (15W, 6M Cache, up to 3.00 GHz), WT
	Intel® Core™ i5-1145G7E (15W, 8M Cache, up to 2.60 GHz), WT
	Intel® Core™ i7-1185G7E (15W, 12M Cache, up to 2.80 GHz), WT
	Intel® Core™ i3-1115G4E (15W, 6M Cache, up to 3.00 GHz), ST
	Intel® Core™ i5-1145G7E (15W, 8M Cache, up to 2.60 GHz), ST
	Intel® Core™ i7-1185G7E (15W, 12M Cache, up to 2.80 GHz), ST
SYSTEM MEMORY	2x 260-pin SO-DIMM Socket Max. up to 64GB DDR4 3200 MT/s
I/O CHIPSET	EC ITE IT8528E
BIOS INFORMATION	AMI uEFI BIOS 256Mbit SPI FLASH ROM
WATCHDOG TIMER	H/W RESET 1sec ~ 65535 sec
H/W STATUS MONITOR	CPU & SYSTEM TEMPERATURE MONITORING AND VOLTAGES MONITORING
SBC	EBM-TGLS + EBM-BYTS DB-A
SOFTWARE SUPPORT	
OS INFORMATION	WINDOWS 10 64bit / Linux
CERTIFICATE INFORMATION	
CERTIFICATIONS	CE / FCC CLASS B
IP RATING	IP50

MODEL	MICROBOX-411	
EXPANSION		
EXPANSION	1x M.2 Key-B 2242/3042/3052 support SATA3/PCIeIII x1/ USB3.1 + SIM slot1 1x M.2 Key-E 2230 for Wi-Fi & BT Module (CNVi)	
STORAGE		
STORAGE	1x M.2 Key-M 2242/2280, support PCIe Gen. III x 4 (NVMe SSD) 1 x M.2 Key-B 2242, support SATA (share with expansion slot)	
I/O		
USB PORT	2x USB 3.1 Gen.2 (10Gbp/s) 2x USB 3.1 Gen.1 (5Gbp/s) 2x USB 2.0	
	COM PORT	4x COM RS232/422/485 (Select via BIOS, auto flow control via HW)
	GPIO	1x 8-bit GPIO DB9
SIM SLOT	1x internal SIM Slot	
ANTENNA	8x Antenna with Dust Cover (6x LTE+GPS / 2x Wi-Fi)	
DISPLAY		
GRAPHIC CHIPSET	Intel® UHD Graphics / Intel® Iris® Xe Graphics	
SPEC. / RESOLUTION	HDMI 2.0b : Max. resolution 4096x2304 @ 60Hz	
	HDMI 2.0b : Max. resolution 4096x2304 @ 60Hz	
MULTIPLE DISPLAY	Triple Displays	
AUDIO		
AUDIO CODEC	Realtek ALC888S HD Codec	
AUDIO INTERFACE	Mic-In, Line-Out	
ETHERNET		
LAN CHIPSET	1x Intel® I225-LM, 1x Intel® I219-LM, 2x Intel® I211-AT	
ETHERNET INTERFACE	1x 10/100/1000/2.5G Base-TxGbE, 3x 10/100/1000Base-TxGbE	
LAN PORT	4x RJ45	
POWER REQUIREMENT		
DC INPUT	DC in 12/24V (+9V ~ +32V), wide voltage single power input	
DC INPUT CONNECTOR	3-Pin Terminal Block (V+, V-, GND)	
ACPCI / POWER MODE	Single Power ATX ACPI 5.0 Compliant default / AT	
MECHANICAL & ENVIRONMENTAL		
OPERATING TEMPERATURE	0°C ~ 70°C (w/SSD) ambient w/ air flow ST sku	
STORAGE TEMPERATURE	-40°C ~ 75°C (-40°F ~ 167°F)	
OPERATING HUMIDITY	40°C @ 95% Relative Humidity, Non-condensing	
DIMENSIONS	240 x 150 x 69mm	
MOUNTING KIT	Wall Mount kit / DIN RAIL (Optional)	

