COMPLETE LINE OF EMBEDDED SYSTEM SOLUTIONS ALSO AVAILABLE:

Server & Storage Product Briefs:

GPU Computing Systems – GPU Series
Machine Vision Systems – MCO Series
Rugged Fan-less Systems – RCO Series
In-Vehicle Fan-less Systems – VFL Series
Basic Fan-less Systems – BFL Series

NVIDIA® GEFORCE® GTX 1050ti GRAPHICS PROCESSING UNIT (GPU)

Manufactured on the latest 14 nm FinFET technology, these GPUs built on NVIDIA Pascal™ architecture provides stunning performance and greater energy efficiency to drive advanced edge systems for parallel computing applications. The increase in performance with lower power consumption creates a perfect balance designed on a smaller footprint. With a max TDP of 75W, there is no supplemental power required making it an ideal low-power option for industrial and manufacturing flexibility.

KEY PLATFORM HIGHLIGHTS:

- Based on NVIDIA Pascal architecture featuring 768 CUDA cores and 4GB GDDR5 memory for highly efficient parallel processing applications.

- Improved power efficiency – 17% faster graphical performance and 16% lower TDP (75W) than previous generation cards.

- Unlock the power of CUDA technology to utilize the GPU's processor cores to accelerate demanding tasks such as transcoding, simulation, deep learning, and more.

- 8K Ultra HD support – now up to 7680 x 4320 resolution and supports up to three independent displays.

MCO/RCO-6020-1050Ti Series	VCO-6020-1050Ti	RCO-6020-1050Ti
Ordering P/N	MCO-6020-1050ti -P	RCO-6020-1050TI-P
Drive Bays	2x Removable 2.5" SATA HDD Bay ; 2x mSATA (shared by 2x Mini PCIe)	2x Removable 2.5" SATA HDD Bay ; 2x Internal 2.5" SATA HDD Bay 2x mSATA (shared by 2x Mini PCIe)
Mini PCIe Slots	3x Full-size Mini PCIe (shared by 2x mSATA)	4x Full-size Mini PCIe (shared by 2x mSATA)
Ports Accessibility	All front facing ports Ideal for factory line mounting	Front & rear facing ports
Vibration Rating	3 Grms , Ideal for stationary factory line mount"	Higher 5 Grms , Ideal for mobile mount in cars or carts
Wide Range Temperature	-25C to 70C (-13F to 158F)	-25C to 70C (-13F to 158F)
Wide Range Voltage	9~50VDC	9~48VDC
Expandability	2x mini PCIe slots	2x universal slots for additional ports, 2x mini PCIe slots
Communication	Wifi optional; 2x antenna holes	Wifi and Cellular (4G/LTE) optional; 4x antenna holes
Mounting	Wallmount, Bookmount, or DIN rail	Wallmount
Processor	- 7th Gen Intel® Core™ i7-7700T, Quad Core, 8MB cache, up to 3.8 GHz - 7th Gen Intel® Core™ i5-7500T, Quad Core, 6MB cache, up to 3.3 GHz - 7th Gen Intel® Core™ i3-7101TE, Dual Core, 3MB Cache, 3.4 GHz	- 6th Gen Intel® Core™ i7-6700TE, Quad Core, 8MB Cache, up to 3.4 GHz - 6th Gen Intel® Core™ i5-6500TE, Quad Core, 6MB Cache, up to 3.3 GHz - 6th Gen Intel® Core™ i3-6100TE, Dual Core, 4MB Cache, 2.7 GHz
Chipset	Intel Q170	
Memory	2x DDR4 1866/2133MHz SODIMM, Max. up to 32GB	
Digital I/O Ports	8 in / 8 out isolated	
Video Ports	2x DVI-I, 1x HDMI, 3x DisplayPort	

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