

DRPC-240-TGL-U

Fanless DIN-Rail Embedded System with Tiger Lake 11 th Gen Intel® Core™ Solution (up to 4 cores)



Features

» Supported CPUs:

Intel® Celeron® 6305/6305E 1.8 GHz (dual-core, 15W TDP)

Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, 15W TDP)

Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, 15W TDP)

» 4 x 2.5GbE ports, supporting PoE (optional)

» 2 x RS-232 & 2 x RS-422/485 (with 2.5kV isolation)

» CE/FCC compliant

Specifications

Form factor	
SBC Form Factor	» CPU:
	Intel® Celeron® 6305/6305E 1.8 GHz (dual-core, TDP 15W)
	Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W)
	Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W)
	» Chipset:
	SoC
	» System Memory:
	2 x SO-DIMM DDR4 3200 MHz (8 GB pre-installed) (up to 64GB)
	» Power:
	Input: Terminal block: 12 ~ 28V DC
	Consumption: 12V @ 6.98A (Intel® Core™ i5-1145G7E with 8GB memory)
I/O Interface	
I/O Ports	» USB:
	2 x USB 3.2 Gen 2
	2 x USB 2.0
	» Ethernet: 4 x RJ-45 (* Support optional PoE af module)
	1 x 2.5 GbE by Intel® I225LM
	3 x 2.5 GbE by Intel® I225V (colay I225LM)
	» COM Port:
	2 x RS-422/485 with AFC (DB-9, with 2.5kV isolation)
	2 x RS-232 (DB-9, with 2.5kV isolation)
	» Digital I/O:
	12-bit Digital I/O (6-in/ 6-out) (optional)
	» Display:
	1 x HDMI™ (up to 3840 x 2160@30Hz)
	1 x DP++ (up to 4096 x 2304@60Hz)
	» TPM:
	Support Intel PTT

	» Watchdog Timer:
	Programmable 1 ~ 255 sec/min
Expansion Slots	
Expansion Slots	» M.2:
	1 x 2230 A-key (PCIe Gen3 x1/USB 2.0)
	1 x 3042/52/80 B-key (PCIe Gen3 x1/USB 3.0/USB 2.0)
	1 x On-board SIM card socket (hinge type) for M.2 B key
	» Backplane:
	1 x PCIe x4
	(optional)
System	
Cooling method / System Fan	Fanless
	4-pin external system fan connector
Drive Bays	1 x 2.5" SATA 6Gb/s HDD/SSD bay
Indicator&Buttons	
Buttons	1 x Power button
	1 x Reset button
	1 x AT/ATX switch
Indicators	1 x Power LED (green)
	1 x HDD LED (yellow)
Physical Characteristics	
Construction	Extruded aluminum alloy
Color	
Color	Black
Dimensions	
Dimensions	81 x 150 x 190
Weight	
Weight	2.15/ 2.5 kg
Environment	
Operating Temperature	-20°C ~ 60°C with air flow (SSD)
Humidity	10% ~ 95% non-condensing
Operating Vibration	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)
Operating Shock	MIL-STD-810G 514.6C-1 (SSD)
Safety & EMC	CE/FCC compliant
OS Support	
OS Support	Microsoft Windows 10 / Windows 11, Linux

Ordering Information

DRPC-240-TGL-U-i7CS-R10	Fanless embedded system, Intel®Tiger Lake-U i7-1185G7E 1.8GHz (quad core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP++, 4 x 2.5GbE LAN, 4 x COM, DIO, 12~28V DC and RoHS
DRPC-240-TGL-U-i5CS-R10	Fanless embedded system, Intel®Tiger Lake-U i5-1145G7E 1.5GHz (quad core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP++, 4 x 2.5GbE LAN, 4 x COM, DIO, 12~28V DC and RoHS
DRPC-240-TGL-U-W10E64-V-R10	OS Image with Windows® 10 Enterprise Value 64-bit 2019 for DRPC-240-TGL-U Celeron/i3/i5 Series, with DVD-ROM, RoHS
DRPC-240-TGL-U-W10E64-H-R10	OS Image with Windows® 10 Enterprise High End 64-bit 2019 for DRPC-240-TGL-U i7 Series, with DVD-ROM, RoHS
DRPC-240-TGL-U-CECS-R10	Fanless embedded system, Intel®Tiger Lake-U Celeron® 6305E 1.8GHz (dual core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP++, 4 x 2.5GbE LAN, 4 x COM, DIO, 12~28V DC and RoHS

Packing List

1 x DIN-Rail mounting kit	1 x Screw pack
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1 x Terminal block	
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