

DIN-Rail Embedded System



Model Name		DRPC-W-TGL-U	DRPC-W-JL	DRPC-W-EHL
Chassis	Color	Black		
	Dimensions (WxDxH)(mm)	176 x 116 x 67.8	176 x 116 x 60.8	
	System Fan	Fanless		
	Chassis Construction	Extruded aluminum alloys		
Motherboard	CPU	Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W) Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W) Intel® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W) Intel® Celeron® 6305 1.8 GHz (dual-core, TDP 15W)	Intel® Jasper Lake Celeron® N5105 2.0 GHz (up to 2.9 GHz, quad-core, TDP=10W)	Intel® Atom® 6000 series (Elkhart Lake platform) Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP=10W)
	Chipset	SoC		
	System Memory	1 x DDR4 3200 MHz SO-DIMM (up to 32GB)	1 x DDR4 2933 MHz SO-DIMM (up to 16GB)	Onboard LPDDR4 8G (up to 16GB)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD bay		
	eMMC	N/A	N/A	N/A
	Micro SD	N/A	N/A	N/A
I/O Interfaces	USB	4 x USB 3.2	2 x USB 3.2	2 x USB 3.2
	Ethernet	3 x 2.5GbE	3 x 2.5GbE	2 x 2.5GbE
	COM Port	2 x RS-232/422/485 (optional)	2 x RS-232 (optional)	2 x RS-232/422/485 (optional)
	Digital I/O	1 x 12-bit digital I/O (optional)		
	Display	1 x DP, 2 x HDMI	1 x DP, 1 x HDMI	1 x DP, 1 x HDMI
	Wireless	Optional		
	TPM	Intel PTT		
	Other	1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector		
Expansions	PCIe Mini	N/A	N/A	N/A
	M.2	1 x M.2 2230 A key slot for Wi-Fi & BT 1 x M.2 2242/3052 B key slot for 5G (PCIe x2) 1 x M.2 2240/3040 B key slot (only for IEI M.2 eDP/LVDS module)	1 x M.2 2230 A key slot 1 x M.2 3042/2280 B key slot for 5G, w/ SIM slot (PCIe)	1 x M.2 2230 A key slot for Wi-Fi & BT 1 x M.2 2242/3052 B key slot for 5G (PCIe x2) 1 x M.2 2240/3040 B key slot (only for IEI M.2 eDP/LVDS module)
	Backplane	N/A	N/A	N/A
Power	Power Input	12V DC		
	Power Consumption	12V@4.1A (Intel® i5-1145G7E with 8GB DDR4 memory)	12V@2.45A (Intel® N5105 with 16GB DDR4 memory)	12V@2.5A (Intel® J6412 with 4GB DDR4 memory)
	Remote PWR	N/A	N/A	N/A
Reliability	Mounting	DIN-Rail		
	Operating Temperature	-20°C ~ 60°C with airflow, 10% ~ 95% non-condensing		
	Storage Temperature	-30°C ~ 85°C, 10% ~ 95% non-condensing		
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis		
	Operating Vibration	MIL-STD-810F 514.5C-2		
	Weight (Net/ Gross)	0.98/1.2 kg	0.91/1.16 kg	0.92/1.16 kg
	Safety/EMC	CE/ FCC		
	Watchdog Timer	Programmable 1 ~ 255 sec/min		
OS	Supported OS	Microsoft® Windows 10 / 11, Linux		

DIN-Rail Embedded System




Model Name		DRPC-240-TGL-U	DRPC-230-ULT5
Chassis	Color	Black	Black & Silver
	Dimensions (WxDxH)(mm)	81 x 150 x 190	Non-slot: 81 x 150 x 190 One-slot: 127 x 150 x 190
	System Fan	Fanless	Fanless
	Chassis Construction	Extruded aluminum alloy	Extruded aluminum alloy
Motherboard	CPU	Intel® Celeron® 6305 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)	Intel® Core™ i5-8365UE 1.6 GHz (up to 4.1 GHz, quad-core, TDP 15W) Intel® Celeron® 4205U 1.8 GHz (dual-core, TDP 15W)
	Chipset	SoC	SoC
	System Memory	2 x SO-DIMM DDR4 3200 MHz (8 GB pre-installed) (up to 64GB) Support in-band ECC	2 x SO-DIMM DDR4 2400 MHz (8GB pre-installed) (up to 64GB)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD bay	1 x 2.5" SATA 6Gb/s HDD/SSD bay
	eMMC	N/A	N/A
	Micro SD	N/A	N/A
I/O Interfaces	USB	2 x USB 3.2 Gen 2 2 x USB 2.0	i5 model: 6 x USB 3.2 Gen 2 Celeron model: 4 x USB 3.2 Gen 2, 2 x USB 2.0
	Ethernet	4 x RJ-45: 1 x 2.5 GbE by Intel® I225LM 3 x 2.5 GbE by Intel® I225V (colay I225LM) * Support optional PoE af module	3 x RJ-45: 1 x GbE by Intel® I219 2 x GbE by Intel® I210
	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)	4 x RS-232/422/485 with AFC (DB9) 2 x RS-232 (RJ-45)
	Digital I/O	12-bit Digital I/O (6-in/ 6-out)	8-bit Digital I/O (4-in/ 4-out)(pin header)
	Display	1 x HDMI (up to 3840 x 2160@30Hz) 1 x DP++ (up to 4096 x 2304@60Hz)	1 x HDMI (up to 3840 x 2160@30Hz) 1 x DP (up to 4096 x 2304@60Hz)
	Wireless	1 x 802.11a/b/g/n/ac (optional)	1 x 802.11a/b/g/n/ac (optional)
	TPM	Support Intel PTT	1 x TPM 2.0 (2 x 10 pin)(optional)
	Other	1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow), 4-pin external system fan connector	1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow)
Expansions	PCIe Mini	N/A	1 x Full-size with SIM card slot (PCIe/USB 3.0/SATA)
	M.2	1 x 2230 A-key (PCIe x1/USB 2.0) 1 x 3042/52/80 B-key (PCIe x2/USB 3.0/USB 2.0)	i5 model: 1 x 2230 A-key (PCIe x1/USB 2.0) Celeron model: 1 x 2230 A-key (PCIe x1)
	Backplane	1 x PCIe Gen 3 x4	One-slot: 1 x PCIe Gen 3 x4, 1 x USB 2.0
Power	Power Input	Terminal block: 12 ~ 28V DC	Terminal block: 12 ~ 24V DC
	Power Consumption	12V @ 6.98A (Intel® Core™ i5-1145G7E with 8GB memory)	12V @ 4.98A (Intel® Core™ i5-8365UE with 8GB memory)
	Remote PWR	N/A	N/A
Reliability	Mounting	DIN-Rail	DIN-Rail
	Operating Temperature	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing	-20°C ~ 60°C with air flow, 10% ~ 95% non-condensing
	Storage Temperature	-40°C ~ 85°C, 10% ~ 95% non-condensing	-40°C ~ 85°C with air flow (SSD), 10% ~ 95% non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)
	Operating Vibration	MIL-STD-810G 514.6C-1 (SSD)	MIL-STD-810G 514.6C-1 (SSD)
	Weight (Net/ Gross)	2.15/ 2.5 kg	Non-slot: 2.9 kg/ 3.2 kg One-slot: 3.2 kg/ 3.5 kg
	Safety/EMC	CE/ FCC	CE/ FCC
	Watchdog Timer	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min
OS	Supported OS	Microsoft Windows 10 / Windows 11, Linux	Microsoft Windows 10 / Windows 11, Linux

DIN-Rail Embedded System



Model Name		DRPC-130-AL	DRPC-120-BT
Chassis	Color	Black	Black
	Dimensions (WxDxH) (mm)	58.75 x 130 x 174	74.08 x 140 x 171.5
	System Fan	Fanless	Fanless
	Chassis Construction	Extruded aluminum alloy	Extruded aluminum alloy
Motherboard	CPU	Intel® Atom® x5-E3930 1.3 GHz (up to 1.8 GHz, dual-core, TDP 6.5W)	Intel® Atom® E3845 1.91 GHz (quad-core, TDP 10W)
	Chipset	SoC	SoC
	System Memory	1 x SO-DIMM DDR3L 1333/1600 (4GB pre-installed) (up to 8GB)	1 x SO-DIMM DDR3L 1066 (2GB pre-installed) (up to 8GB)
IPMI	iRIS Solution	N/A	1 x iRIS-2400 (optional)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD bay	1 x 2.5" SATA 3Gb/s HDD/SSD bay
	eMMC	1 x eMMC 5.0 (optional, up to 32GB)	N/A
I/O Interfaces	USB	4 x USB 3.2 Gen 1	2 x USB 3.2 Gen 1 2 x USB 2.0
	Ethernet	2 x RJ-45 2 x GbE by Intel® I211	2 x RJ-45 1 x GbE by Intel® I211 1 x GbE by Intel® I210
	COM Port	4 x RS-232/422/485 with AFC (DB9)	2 x RS-232/422/485 with AFC (DB9 with 3kV isolation) 2 x RS-232 (DB9 with 3kV isolation)
	Digital I/O	8-bit Digital I/O (4-in/ 4-out)	8-bit Digital I/O (4-in/ 4-out)
	CAN-bus	1 x Port support two CAN-bus (DB9 with 2.5kV isolation)	N/A
	Display	2 x HDMI (up to 3840 x 2160@30Hz)	1 x HDMI (up to 1920 x 1200@60Hz) 1 x VGA (up to 1920 x 1200@60Hz)
	Wireless	1 x 802.11a/b/g/n/ac (optional)	1 x 802.11a/b/g/n/ac (optional)
	TPM	1 x TPM 2.0 (2 x 10 pin) (optional)	N/A
	Motor Connector	N/A	N/A
	Other	1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow)	1 x Power button, 1 x Reset button, 1 x AT/ATX switch
Expansions	PCIe Mini	1 x Half-size (PCIe/USB 2.0) 1 x Full-size (PCIe/USB 2.0/SATA)	1 x Half-size (PCIe) 1 x Full-size (PCIe/USB 2.0/SATA)
	M.2	N/A	N/A
Power	Power Input	Terminal block: 12 ~ 24V DC	Terminal block: 9 ~ 30V DC
	Power Consumption	12V @ 2.88 A (Intel® Atom® x5-E3930 with 4GB memory)	12V @ 2.1 A (Intel® Atom® E3845 with 2GB memory)
	Remote PWR	Terminal block: PSON	N/A
Reliability	Mounting	DIN-Rail	DIN-Rail
	Operating Temperature	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing
	Storage Temperature	-40°C ~ 85°C with air flow (SSD), 10% ~ 95% non-condensing	-40°C ~ 85°C with air flow (SSD), 10% ~ 95% non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)
	Operating Vibration	MIL-STD-810G 514.6C-1 (SSD)	MIL-STD-810G 514.6C-1 (SSD)
	Weight (Net/ Gross)	1.4 kg/ 2.5 kg	1.4 kg/ 2.5 kg
	Safety/EMC	CE/ FCC	CE/ FCC
	Watchdog Timer	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min
OS	Supported OS	Microsoft® Windows 10, Linux	Microsoft® 8, Microsoft® Windows® Embedded Standard 7 E

DRPC-W-TGL-U

■ Fanless DIN-Rail Embedded System

■ Tiger Lake 11th Gen Intel® Celeron™ Solution (up to 4 cores)

Preliminary



Features

- Supported CPU:
Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W)
Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W)
Intel® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W)
Intel® Celeron™ 6305 1.8 GHz (dual-core, TDP 15W)
- Support dual independent display
- 2 x 2.5GbE ports
- 1 x M.2 A Key
- 1 x M.2 B Key (with SIM card slot)



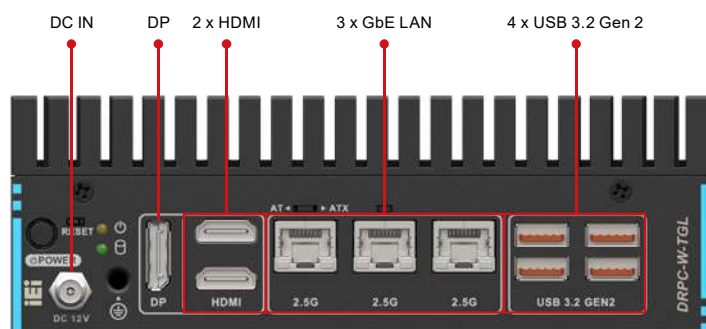
External fan module

Specifications

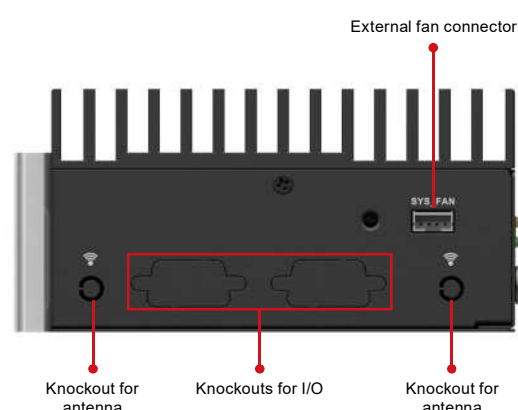
Model Name		DRPC-W-TGL-U-i7C-R10	DRPC-W-TGL-U-i5C-R10	DRPC-W-TGL-U-i3C-R10	DRPC-W-TGL-U-CC-R10
Chassis	Color	Black			
	Dimensions (WxDxH) (mm)	176 x 116 x 67.8			
	System Fan	Fanless			
	Chassis Construction	Extruded aluminum alloys			
Motherboard	CPU	Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W)	Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W)	Intel® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W)	Intel® Celeron™ 6305 1.8 GHz (dual-core, TDP 15W)
	Chipset	SoC			
	Memory	1x DDR4 3200MHz SO-DIMM (pre-installed 8GB) (up to 32GB)			
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD bay			
IO Interfaces	USB	4 x USB 3.2			
	LAN	3 x 2.5GbE			
	Display	1 x DP, 2 x HDMI			
	Others	1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector			
Internal Expansions	PCIe Mini	N/A			
	M.2	1 x M.2 A Key 2230 for WIFI & BT (optional) 1 x M.2 B Key (PCIe x2) 3042/3052 w/SIM slot for 5G (optional)			
Power	Power Input	12V DC			
	Power Consumption	12V@4.1A (Intel i5-1145G7E With 8GB DDR4 Memory)			
Reliability	Mounting	DIN-Rail			
	Operating Temperature	-20°C ~ 60°C with airflow, 10% ~ 95% non-condensing			
	Storage Temperature	-30°C ~ 85°C, 10% ~ 95% non-condensing			
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis			
	Operating Vibration	MIL-STD-810F 514.5C-2			
	Weight (Net/Gross)	0.98/1.2 Kg			
	Safety/EMC	CE/FCC			
	Watchdog Timer	Programmable 1 ~ 255 sec/min			
OS	Supported OS	Microsoft® Windows 10 / 11, Linux			

Fully Integrated I/O

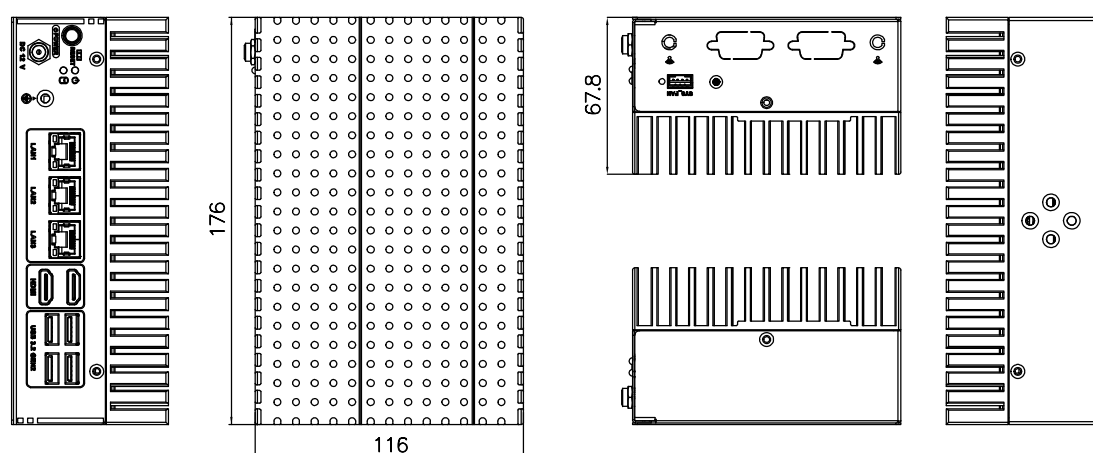
Front View



Top View



Dimensions (Unit: mm)



DRPC-W-TGL-U

Ordering Information

Part No.	Description
DRPC-W-TGL-U-CC-R10	Fanless System with Intel® Tiger Lake-U Celeron™ 6305 1.8 GHz (dual core, TDP 15W), 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i3C-R10	Fanless System with Intel® Core™ Tiger Lake-U i3-1115G4E 2.2 GHz (quad core, TDP 15W), 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i5C-R10	Fanless System with Intel® Core™ i5-1145G7E up to 4.1 GHz TDP 28/15/12W, 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i7C-R10	Fanless System with Intel® Tiger Lake-U i7-1185G7E 1.8 GHz (quad core, TDP 15W), 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS

Options

Item	Part No.	Description
Adapter	63040-010060-211-RS	Adapter Power;FSP;FSP060-DHAN3;9NA0608097;;Vin:90~264VAC;60W;Dim:62.0*110*31.5mm;Plug=7.5mm;Cable=1200mm;Erp(NO LOAD 0.21W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Wifi Kit	EMB-WIFI-KIT0213-R10	2T2R M.2 wifi module kit for embedded system, IEEE802.11a/b/g/n/ac/ax, 1 x M.2 AE Key Wireless LAN & Bluetooth 5.2;Intel;AX210.NGWG Module, 2 x RF cable, 2 x Antenna; RoHs
Fan Kit	SF-DRPC-W-R10	External fan for DRPC-W Series

Packing List

1 x DIN-rail mounting kit	1 x Screw pack	1 x SATA cable with power cable
---------------------------	----------------	---------------------------------

DRPC-W-JL

■ Fanless DIN-Rail Embedded System

■ Jasper Lake Intel® Celeron™ Solution (up to 4 cores)

New



Features

- Supported CPU:
Intel® N5105 2.0 GHz (up to 2.9 GHz, quad-core, TDP 10W)
- Support dual independent display
- 3 x 2.5GbE ports
- 1 x M.2 A Key
- 1 x M.2 B Key (with SIM card slot)



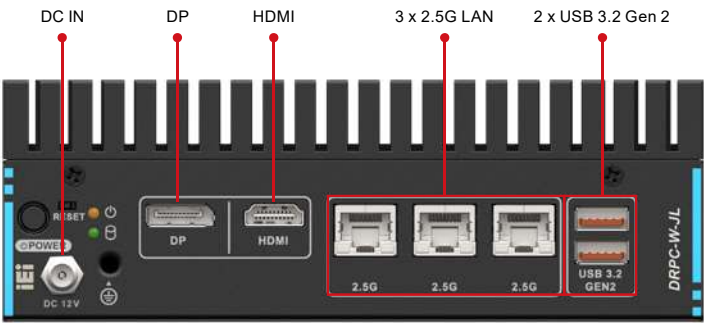
External fan module

Specifications

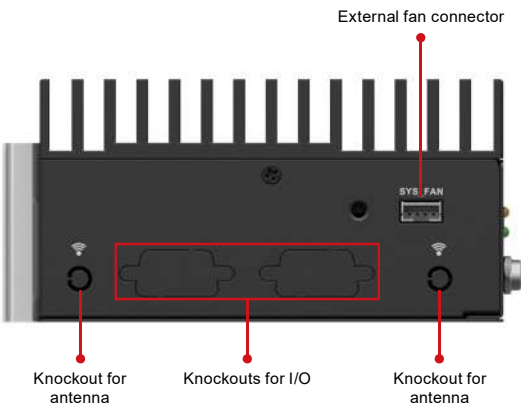
Model Name		DRPC-W-JL
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	176 x 116 x 60.8
	System Fan	Fanless
	Chassis Construction	Extruded aluminum alloys
Motherboard	CPU	Intel® Celeron® N5105 2.0 GHz (up to 2.9 GHz, quad-core, TDP 10W)
	Chipset	SoC
	Memory	1 x DDR4 2933 MHz SO-DIMM (pre-installed 8GB) (up to 16GB)
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD bay
IO Interfaces	USB	2 x USB 3.2
	LAN	3 x 2.5GbE
	Display	1 x DP 1 x HDMI
	Others	1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector
Internal Expansions	PCIe Mini	N/A
	M.2	1 x M.2 A Key 2230 for WIFI & BT (optional) 1 x M.2 B Key (PCIe x2) 2242/2280 w/SIM slot for 5G (optional)
Power	Power Input	12V DC
	Power Consumption	12V@2.45A (Intel N5105 with 16GB DDR4 memory)
Reliability	Mounting	DIN-Rail
	Operating Temperature	-20°C ~ 60°C with airflow, 10% ~ 95% non-condensing
	Storage Temperature	-30°C ~ 85°C, 10% ~ 95% non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-2
	Weight (Net/Gross)	0.91/1.16 kg
	Safety/EMC	CE/FCC
	Watchdog Timer	Programmable 1 ~ 255 sec/min
OS	Supported OS	Microsoft® Windows 10 / 11, Linux

Fully Integrated I/O

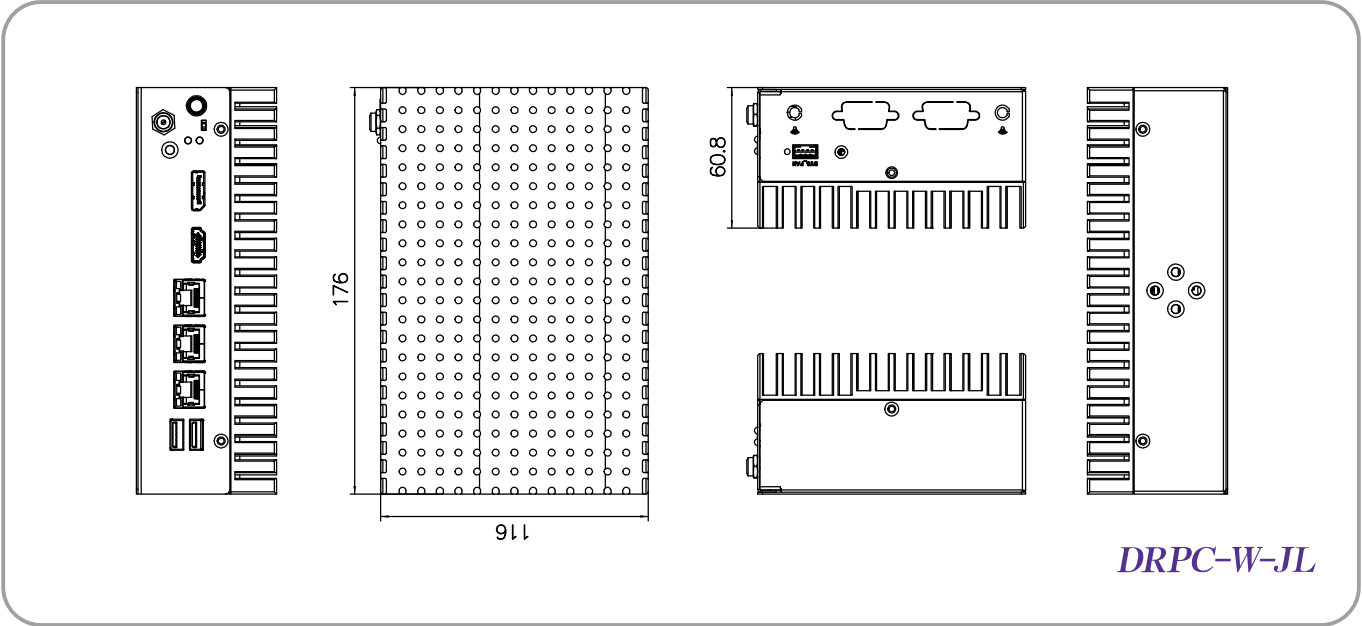
Front View



Top View



Dimensions (Unit: mm)



Ordering Information

Part No.	Description
DRPC-W-JL-NC-R10	Fanless System with Intel® Celeron™ N5105 up to 2.9 GHz TDP 10W, 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS

Options

Item	Part No.	Description
Adapter	63040-010060-211-RS	Adapter Power;FSP;FSP060-DHAN3;9NA0608097;;Vin:90~264VAC;60W;Dim:62.0*110*31.5mm;Plug=7.5mm;Cable=1200mm;Erp(NO LOAD 0.21W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Wifi Kit	EMB-WIFI-KIT0213-R10	2T2R M.2 wifi module kit for embedded system, IEEE802.11a/b/g/n/ac/ax, 1 x M.2 AE Key Wireless LAN & Bluetooth 5.2;Intel;AX210.NGWS Module, 2 x RF cable, 2 x Antenna; RoHS
Fan Kit	SF-DRPC-W-R10	External fan for DRPC-W Series

Packing List

1 x DIN-rail mounting kit	1 x Screw pack	1 x SATA cable with power cable
---------------------------	----------------	---------------------------------

DRPC-W-EHL

- Fanless DIN-Rail Embedded System
- Elkhart Lake Intel® Celeron™ Solution (up to 4 cores)

Preliminary


Features

- Supported CPU:
Intel® Celeron™ J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W)
- Support dual independent display
- 2 x 2.5GbE ports
- 1 x M.2 A Key
- 1 x M.2 B Key (with SIM card slot)



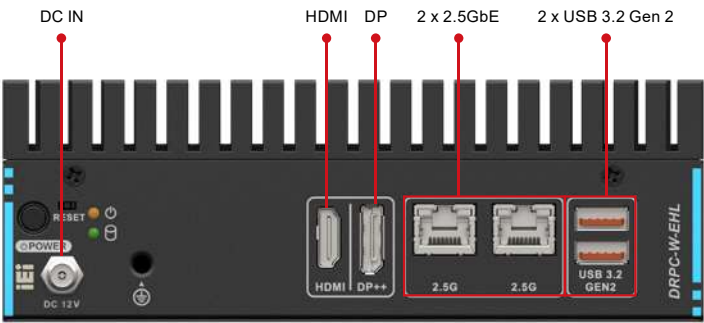
External fan module

Specifications

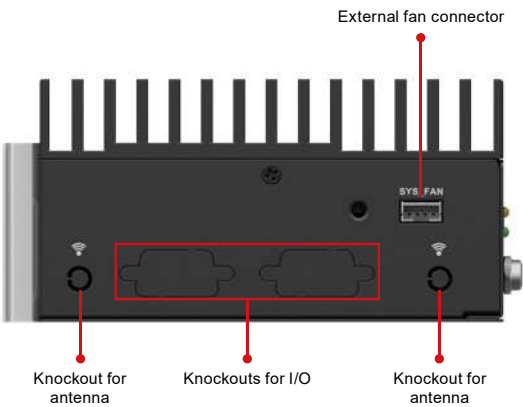
Model Name		DRPC-W-EHL
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	176 x 116 x 60.8
	System Fan	Fanless
	Chassis Construction	Extruded aluminum alloys
Motherboard	CPU	Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W)
	Chipset	SoC
	Memory	Onboard LPDDR4X 3200MHz 8G (up to 16GB)
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD bay
IO Interfaces	USB	2 x USB 3.2
	LAN	2 x 2.5GbE
	Display	1 x DP 1 x HDMI
	Others	1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector
Internal Expansions	PCIe Mini	N/A
	M.2	1 x M.2 A Key 2230 for WIFI & BT (optional) 1 x M.2 B Key (PCIe x2) 3042 w/SIM slot for 5G (optional)
Power	Power Input	12V DC
	Power Consumption	12V@2.5A (Intel J6412 With 4GB DDR4 Memory)
Reliability	Mounting	DIN-Rail
	Operating Temperature	-20°C ~ 60°C with airflow, 10% ~ 95% non-condensing
	Storage Temperature	-30°C ~ 85°C, 10% ~ 95% non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-2
	Weight (Net/Gross)	0.92/1.16 Kg
	Safety/EMC	CE/FCC
	Watchdog Timer	Programmable 1 ~ 255 sec/min

Fully Integrated I/O

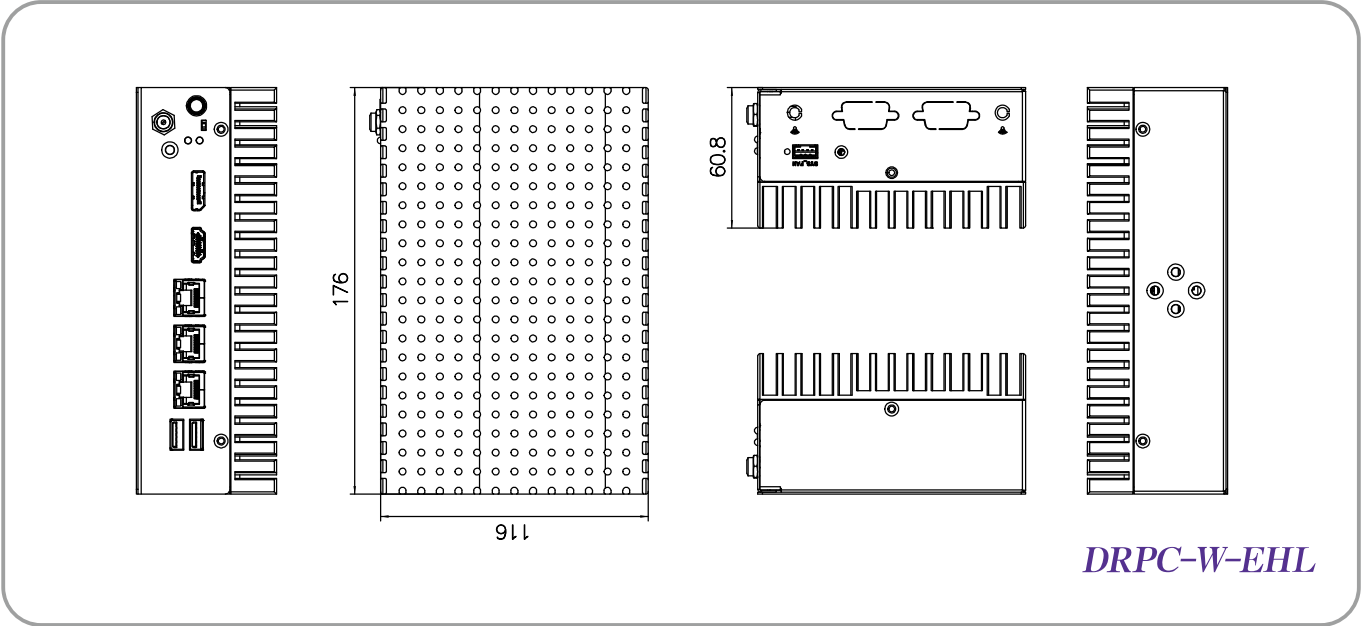
Front View



Top View



Dimensions (Unit: mm)



Ordering Information

Part No.	Description
DRPC-W-EHL-JC-R10	Fanless System with Intel® Celeron® J6412 up to 2.6 GHz TDP 10W, 2 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 1 x 2.5" SATA HDD bay, 8GB memory pre-installed, 12V DC, RoHS

Options

Item	Part No.	Description
Adapter	63040-010060-211-RS	Adapter Power;FSP;FSP060-DHAN3;9NA0608097;;Vin:90~264VAC;60W;Dim:62.0*110*31.5mm;Plug=7.5mm;Cable=1 200mm;Erp(NO LOAD 0.21W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Wifi Kit	EMB-WIFI-KIT02I3-R10	2T2R M.2 wifi module kit for embedded system, IEEE802.11a/b/g/n/ac/ax, 1 x M.2 AE Key Wireless LAN & Bluetooth 5.2;Intel;AX210.NGWWG Module, 2 x RF cable, 2 x Antenna; RoHs
Fan Kit	SF-DRPC-W-R10	External fan for DRPC-W Series

Packing List

1 x DIN-rail mounting kit	1 x Screw pack	1 x SATA cable with power cable
---------------------------	----------------	---------------------------------

DRPC-240-TGL-U

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

New

Features

- Supported CPUs:
 Intel® Celeron® 6305 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)
- Two RS-232 & two RS-422/485 (with 2.5kV isolation)
- CE/FCC compliant



Specifications

Model Name		DRPC-240-TGL-U-i7CS-R10	DRPC-240-TGL-U-i5CS-R10	DRPC-240-TGL-U-CCS-R10
Chassis	Color	Black		
	Dimensions (WxDxH) (mm)	81 x 150 x 190		
	System Fan	Fanless		
	Chassis Construction	Extruded aluminum alloys		
Motherboard	CPU	Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W)	Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W)	Intel® Celeron® 6305 1.8 GHz (dual-core, TDP 15W)
	Chipset	SoC		
	BIOS	BIOS		
	Memory	2 x SO-DIMM DDR4 3200 MHz (8 GB pre-installed) (up to 64GB) Support in-band ECC		
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD/SSD bay		
I/O Interfaces	USB	2 x USB 3.2 Gen 2 2 x USB 2.0		
	Ethernet	4 x RJ-45: 1 x 2.5GbE by Intel® I225LM 3 x 2.5GbE by Intel® I225V (colay I225LM) * Support optional PoE af module		
	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)		
	Display	1 x HDMI (up to 3840 x 2160@30Hz) 1 x DP++ (up to 4096 x 2304@60Hz)		
	Wireless	1 x 802.11a/b/g/n/ac (optional)		
	TPM	Support Intel PTT		
	Others	1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow), 4-pin external system fan connector		
	M.2	1 x 2230 A-key (PCIe x1/USB 2.0) 1 x 3042/52/80 B-key (PCIe x2/USB 3.0/USB 2.0)		
Expansions	Backplane	1 x PCIe Gen 3 x4 (optional)		
	Power Input	Terminal block: 12 ~ 28V DC		
Power	Power Consumption	12V @ 6.98A (Intel® Core™ i5-1145G7E with 8GB memory)		
Reliability	Mounting	DIN-Rail		
	Operating Temperature	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing		
	Storage Temperature	-40°C ~ 85°C, 10% ~ 95% non-condensing		
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)		
	Operating Vibration	MIL-STD-810G 514.6C-1 (SSD)		
	Weight (Net/Gross)	2.15/2.5 kg		
	Safety/EMC	CE/ FCC		
	Watchdog Timer	Programmable 1 ~ 255 sec/min		
OS	Supported OS	Microsoft® Windows 10 / Windows 11, Linux		

Built-in 11th Gen Intel® CPU

It is powered by 11th Gen Intel® Core™ i7/i5 or Celeron® processor (FCBGA 1449) to unleash optimal performance and multitasking capability.

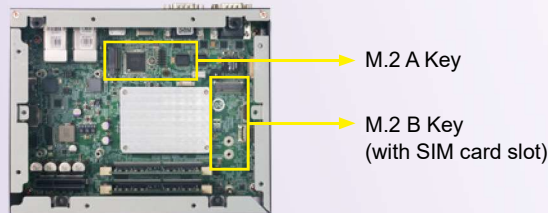
Built-in Intel® I225-LM (V) 2.5GbE Controllers

Four RJ-45 Ethernet ports on the I/O panel through Intel® I225-V GbE controllers provide up to 2.5G network transmission rate, and support optional PoE modules.

USB 3.2 Gen 2 Ports, up to 10Gb/s

Internal M.2 Expansion

The system motherboard has one M.2 A key slot and one M.2 B key slot. The A key slot supports Wi-Fi or Bluetooth expansion; the B key slot (with SIM card holder) can support 4G modules or accelerator cards.



Optional PoE Module



Support Chassis Expansion

The expansion chassis provides one PCIe x4 slot for IEI Mustang accelerator card.

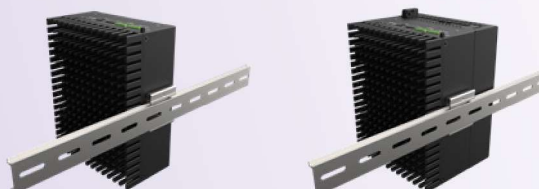


External Fan

Installing an external fan helps to increase system performance in harsh environment.

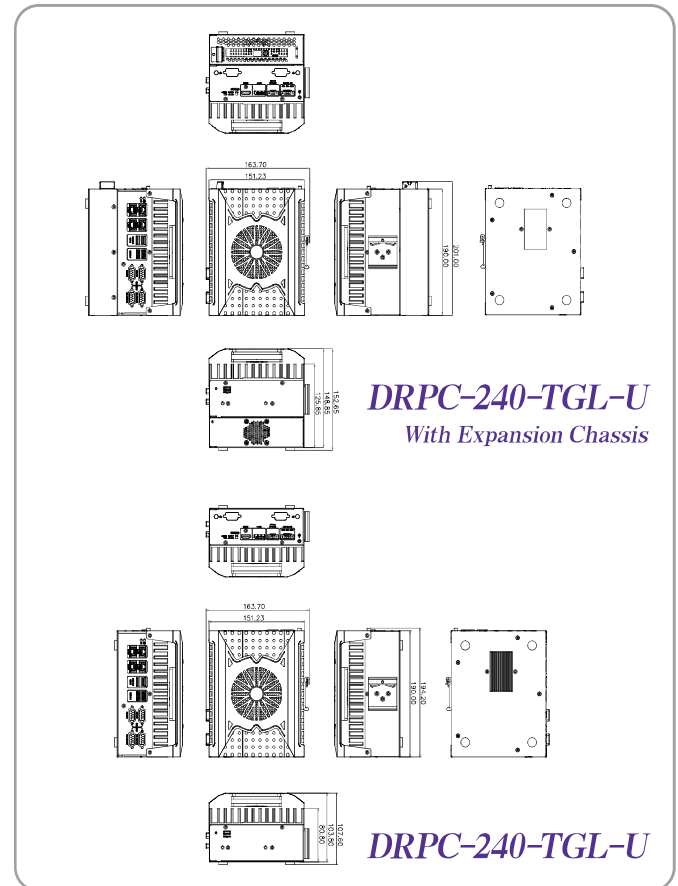
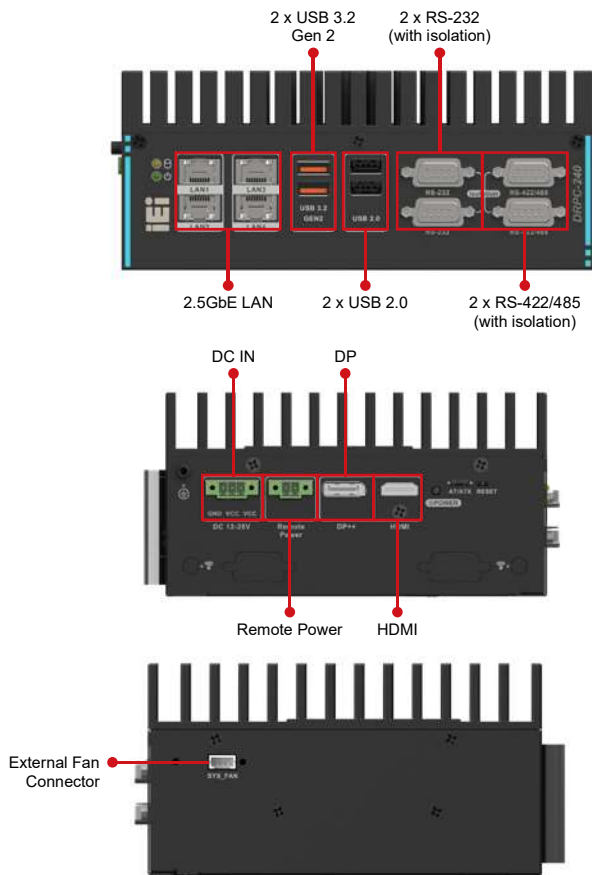


Support DIN-rail Mount



Fully Integrated I/O

Dimensions (Unit: mm)



Ordering Information

Part No.	Description
DRPC-240-TGL-U-CCS-R10	Fanless embedded system, Intel® Tiger Lake-U Celeron® 6305 1.8 GHz (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
DRPC-240-TGL-U-i5CS-R10	Fanless embedded system, Intel® Tiger Lake-U i5-1145G7E 1.5 GHz (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-i7CS-R10	Fanless embedded system, Intel® Tiger Lake-U i7-1185G7E 1.8 GHz (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

Options

Part No.	Description
EMB-WIFI-KIT0213-R10	2T2R M,2 wifi module kit for embedded system, IEEE802.11a/b/g/n/ac/ax, 1 x M.2 AE Key Wireless LAN & Bluetooth 5.2; Intel AX210, NGWG Module, 2 x RF cable, 2 x Antenna; RoHS
GPOE-DRPC-240-R10 ¹	PoE power module for DRPC-240 only
SF-DRPC-240-R10	External fan for DRPC-240 only
TXC-DRPC-240-1S-R10	DRPC-240 Series 1 Slot Expansion Chassis with Riser Card
32031-000600-100-RS	ROUND CABLE; DIO CABLE; 2; 150mm; 28AWG; 300V; (A) D-SUB 15P MALE; (B) DU PONT 2*7P P=2.0 FEMALE; Wins Precision; C24210815-0; RoHS
32205-003800-300-RS	FLAT CABLE; RS-232/422/485; RS-422/485 CABLE; 2; 200mm; 28AWG; (A) D-SUB 9PIN MALE; (B) JUST PHR-4 P=2.0; ONE PCS PKG W/ LABEL; Wins Precision; RoHS
32702-000400-200-RS	POWER CORD; EUROPEAN CODE (VDE); 2; 1800mm; (A) PLUG: SH-025 (16A/250V); (B) CONNECTOR: C5 (SM112, 2.5A/250V); Self-Man; CCL; RoHS
41019-2312C2-00-HF	HOLDER; FAN FILTER BRACKET; NCT processing formation; DRPC-240-ULT6; PAINTING; PMS Black C; 41019-2312XX; NCT(N); SECC; VER:00; CCL; Halogen Free
32102-054800-100-RS	WIRE CABLE; POWER CABLE; 2; 200mm; 18AWG; 300V; (A) POWER DIN 4P FEMALE; (B) TERMINAL BLOCK-3P P=3.5; Wins Precision; C24210816-0; RoHS
63040-010230-000-RS	Adapter Power; FSP; FSP220-ABAN2; 9NA2200401; Active PFC; Vin: 90~264VAC; 220W; Cable=1500mm; Erp(NO LOAD 0.5W); Vout: 19VDC; Din 4Pin; CCL; RoHS
63040-010120-300-RS ²	Adapter Power; FSP; FSP120-AHAN3; 9NA1206708; Active PFC; Vin: 90~264VAC; 120W; Dim: 75.6*151.3*25.4mm; Plug=6.5mm; Cable=1500mm; Erp(NO LOAD 0.15W); Vout: 12VDC; Din 4Pin/lock; CCL; RoHS
Mustang-V100-MX8-R11 ³	Computing Accelerator Card with 8 x Movidius Myriad X MA2485 VPU, PCIe Gen 2 x4 interface, RoHS

¹ For the PoE module, it is suggested to use a 180W (or above) power adapter (63040-010230-000-RS 220W is recommended).

² The power adapter must be used with the 32102-054800-100-RS power cable.

³ For IEI Mustang accelerator card, it is suggested to use a 180W (or above) power adapter (63040-010230-000-RS 220W is recommended), and the Mustang can only be used in the dual-layer model.

Packing List

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

DRPC-230-ULT5

■ Fanless DIN-Rail Embedded System

■ Whiskey Lake 8th Gen Intel® Core™ Solution (up to 4 cores)



Features

- Intel® Core™ i5-8365UE/ Celeron® 4305UE Processor
- Triple GbE LAN Ports
- Multiple USB 3.2 Gen 2 (10Gb/s)
- Multiple COM Ports
- Modulized Flexible Expansion

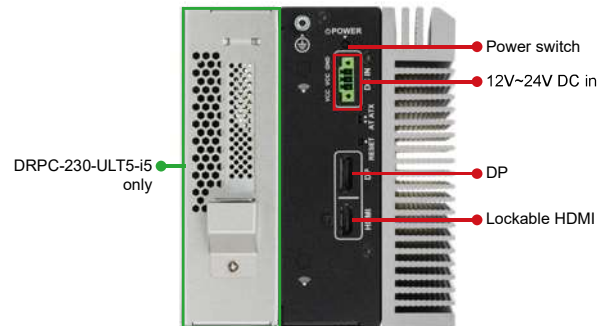


Specifications

Model Name		DRPC-230-ULT5-i5/S	DRPC-230-ULT5-i5	DRPC-230-ULT5-CE/S
Chassis	Color	Black & Silver		
	Dimensions (WxDxH)	81 x 150 x 190	127 x 150 x 190	81 x 150 x 190
	System Fan	Fanless		
	Chassis Construction	Extruded aluminum alloy		
Motherboard	CPU	Intel® Core™ i5-8365UE 1.6 GHz (up to 4.1 GHz, quad-core, TDP 15W)		Intel® Celeron® 4305UE 2 GHz (dual-core, TDP 15W)
	Chipset	SoC		
	System Memory	2 x SO-DIMM DDR4 2400 (8GB pre-installed) (up to 64GB)		
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD bay		
I/O Interfaces	USB	6 x USB 3.2 Gen 2		4 x USB 3.2 Gen 2 2 x USB 2.0
	Ethernet	3 x RJ-45: 1 x GbE by Intel® I219 2 x GbE by Intel® I210		
	COM Port	4 x RS-232/422/485 with AFC (DB9) 2 x RS-232 (RJ-45)		
	Digital I/O	8-bit Digital I/O (4-in/ 4-out)(pin header)		
	Display	1 x HDMI (up to 3840 x 2160@30Hz) 1 x DP (up to 4096 x 2304@60Hz)		
	Wireless	1 x 802.11a/b/g/n/ac (optional)		
	TPM	1 x TPM 2.0 (2 x 10 pin)(optional)		
	Other	1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow)		
Expansions	PCIe Mini	1 x Full-size with SIM card slot (PCIe/USB 3.0/SATA)		
	M.2	1 x 2230 A-key (PCIe x1/USB 2.0)		1 x 2230 A-key (PCIe x1)
	Backplane	-	1 x PCIe Gen 3 x4, 1 x USB 2.0	-
Power	Power Input	Terminal block: 12 ~ 24V DC (Reserved internal 40W power with 12V DC output)		
	Power Consumption	12W @ 4.98A (Intel® Core™ i5-8365UE with 8GB memory)		
Reliability	Mounting	DIN-Rail		
	Operating Temperature	-20°C ~ 70°C with air flow (SSD), 10% ~ 95% non-condensing*		
	Storage Temperature	-40°C ~ 85°C with air flow (SSD), 10% ~ 95% non-condensing		
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)		
	Operating Vibration	MIL-STD-810G 514.6C-1 (SSD)		
	Weight (Net/Gross)	2.9 kg/ 3.2 kg	3.2 kg/ 3.5 kg	2.9 kg/ 3.2 kg
	Safety/EMC	CE/ FCC		
	Watchdog Timer	Programmable 1 ~ 255 sec/min		
OS	Supported OS	Microsoft Windows 10 / Windows 11, Linux		

* CPU can remain high performance and run at or above its base frequency without any thermal throttling under 60°C.

Front View



Part No.	Description
DRPC-230-ULT5-I5/8G/S-R11	Fanless embedded system, Intel® Whiskey Lake i5-8365UE 1.6 GHz (quad core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP, 3 PCIe GbE, 6 COM, 12~24V DC and RoHS
DRPC-230-ULT5-I5/8G-R11	Fanless embedded system, Intel® Whiskey Lake i5-8365UE 1.6 GHz (quad core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP, 3 PCIe GbE, 6 COM, 12~24V DC, PCIe x4 expansion layer and RoHS
DRPC-230-ULT5-CE/8G/S-R11	Fanless embedded system, Intel® Whiskey Lake Celeron® 4305UE 2 GHz (dual core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP, 3 PCIe GbE LAN, 6 COM, 12~24V DC and RoHS

Item	Part No.	Description
Adapter ¹	63040-010060-211-RS	Adapter Power;FSP;FSP060-DHAN3;9NA0608097;;Vin:90~264VAC;60W;Dim:62.0*110*31.5mm;Plug=7.5mm;Cable=1200mm;Erp(NO LOAD 0.21W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Adapter ^{1/2}	63040-010096-230-RS	Adapter Power;FSP;FSP096-AHAN3;9NA0961412 ;Active PFC;Vin:90~264VAC;96W;Dim:75.6 x 151.3 x 25.4mm;Plug=7.5mm;Cable=1500mm;Erp(NO LOAD 0.15W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Power cable ¹	32102-026500-100-RS	WIRE CABLE;POWER CABLE;;2;200MM;18AWG;(A)DC JACK 5.5 x 2.5, NUT+WASHER;(B)TERMINAL BLOCK;3P P=3.5;SHANGHAI YING YU;RoHS
Power cord	32000-000002-RS	European power cord
RJ-45 to D-SUB cable	32005-004600-200-RS	ROUND CABLE;RS-232/422/485;RS-232 CABLE;2;300MM;26AWG;(A)D-SUB 9P MALE+4#40 Screw;(B)RJ-45 8P8C PLUG, Iron+Sheathed;Wins Precision;RoHS
Wifi module ³	27319-000009-RS	Wireless LAN Module;Wireless LAN & Bluetooth M.2 Module;Sparklan;R9701810011;IEEE802.11a/b/g/n/ac;2.412 GHz~2.4835 GHz, 5.15 GHz~5.85 GHz;M.2 2230;;3,V;22 x 30 x 2.15mm;QCNFA364A;QCA6174A-5;2x2 MIMO;Dual Band;WCBN808A-Q2;CCL;RoHS
Antenna ³	32505-000900-100-RS	External Antenna;WLAN;RG 178;108MM;TANK-700-QM67-R10;PEAK GAIN 2.0DBI;Exceltek;2.4-2.5 GHz/5.15-5.85 GHz;REVERSE SMA PLUG;RoHS
RF cable ³	32501-004000-100-RS	RF;RF CABLE;LINE DIAMETER:0.81mm;250MM;50Q;Sparklan;0-6 GHz;VSWR≤1.3;I-PEX MHF-4 Plug;REVERSE SMA JACK;NUT x 1;WASHER x 1;RoHS
TPM Module	TPM-IN03-R10	20-pin Infineon SPI TPM 2.0 module, software mangement tool, firmware V7.63
System fan ⁴	31100-000365-RS	FAN;+12V;4PIN;YEN SUN;40 x 40 x 10mm;6500RPM;TWO BALL BEARING;LINE LENGTH:150MM;3.4+/-0.1MM;FD124010HB;FD124010HB-NBG(2W7T);AXIAL FAN;WITH FRAME;6.599CFM;7~13,2V;29dB;75000hur;UL, CUL, TUV;CCL;RoHS
Accelerator cards ⁴	Mustang-V100-MX8 Mustang-V100-MX4	Computing Accelerator Card with 8 x Movidius Myriad X MA2485 VPU, PCIe Gen 2 x 4 interface, RoHS Computing Accelerator Card with 4 x Intel® Movidius™ Myriad™ X MA2485 VPU, PCIe Gen 2 x 2 interface, RoHS
OS: Windows Embedded 10	DRPC-230-ULT5-W40E64_V.B10	OS Image with Windows® Embedded Standard 10 E Value 64-bit 2019 for DRPC-230-ULT5 Series, with DVD-ROM, RoHS

⁴ Only applicable for DRPC-230-ULT5-i5/8G-R10

1 x Din-rail mounting kit	1 x Screw kit
---------------------------	---------------

DRPC-130-AL

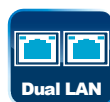
■ Fanless DIN-Rail Embedded System

■ Intel® Atom® x5-E3930 1.3 GHz (up to 1.8 GHz) Solution



Features

- Intel® Atom® x5-E3930 1.3 GHz (up to 1.8 GHz)
- DDR3L 1.35V SO-DIMM supported
- Serial, CAN bus and digital I/O interface

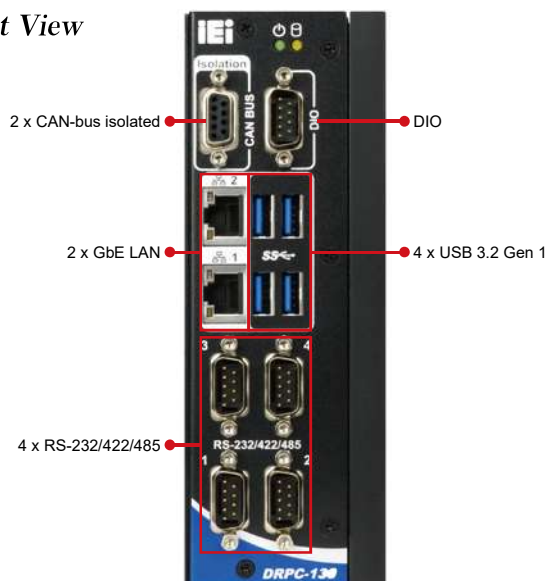


Specifications

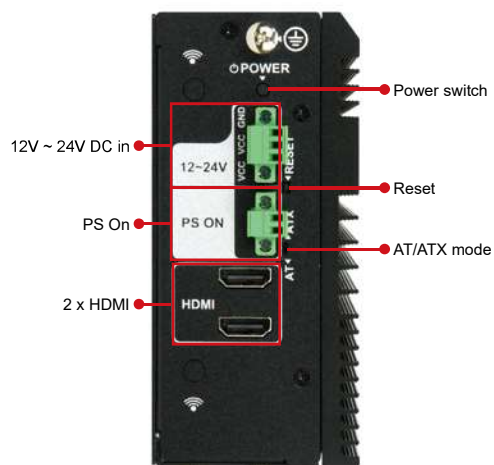
Model Name		DRPC-130-AL
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	58.75 x 130 x 174
	System Fan	Fanless
	Chassis Construction	Extruded aluminum alloy
Motherboard	CPU	Intel® Atom® x5-E3930 1.3 GHz (up to 1.8 GHz, dual-core, TDP 6.5W)
	Chipset	SoC
	System Memory	1 x SO-DIMM DDR3L 1333/1600 (up to 8GB)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD bay
	eMMC	1 x eMMC 5.0 (optional, up to 32GB)
I/O Interfaces	USB	4 x USB 3.2 Gen 1
	Ethernet	2 x RJ-45: 2 x GbE by Intel® I211
	COM Port	4 x RS-232/422/485 with AFC (DB9)
	Digital I/O	8-bit Digital I/O (4-in/ 4-out)
	CAN-bus	1 x port support two CAN-bus (DB9 with 2.5kV isolation)
	Display	2 x HDMI (up to 3840 x 2160@30Hz)
	Wireless	1 x 802.11a/b/g/n/ac (optional)
	TPM	1 x TPM 2.0 (2 x 10 pin)(optional)
	Other	1 x Power Button, 1 x Reset Button, 1 x AT/ATX Switch, 1 x LED for Power (Green), 1 x LED for HDD (Yellow)
Expansions	PCIe Mini	1 x Half-size (PCIe/USB 2.0) 1 x Full-size (PCIe/USB 2.0/SATA)
Power	Power Input	Terminal block: 12 ~ 24V DC
	Power Consumption	12V @ 2.88 A (Intel® Atom® x5-E3930 with 4GB memory)
	Remote PWR	Terminal block: PSON
Reliability	Mounting	DIN-Rail
	Operating Temperature	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing
	Storage Temperature	-40°C ~ 85°C with air flow (SSD), 10% ~ 95% non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)
	Operating Vibration	MIL-STD-810G 514.6C-1 (SSD)
	Weight (Net/Gross)	1.4 kg/ 2.5 kg
	Safety/EMC	CE/ FCC
	Watchdog Timer	Programmable 1 ~ 255 sec/min
OS	Supported OS	Microsoft® Windows 10, Linux

Fully Integrated I/O

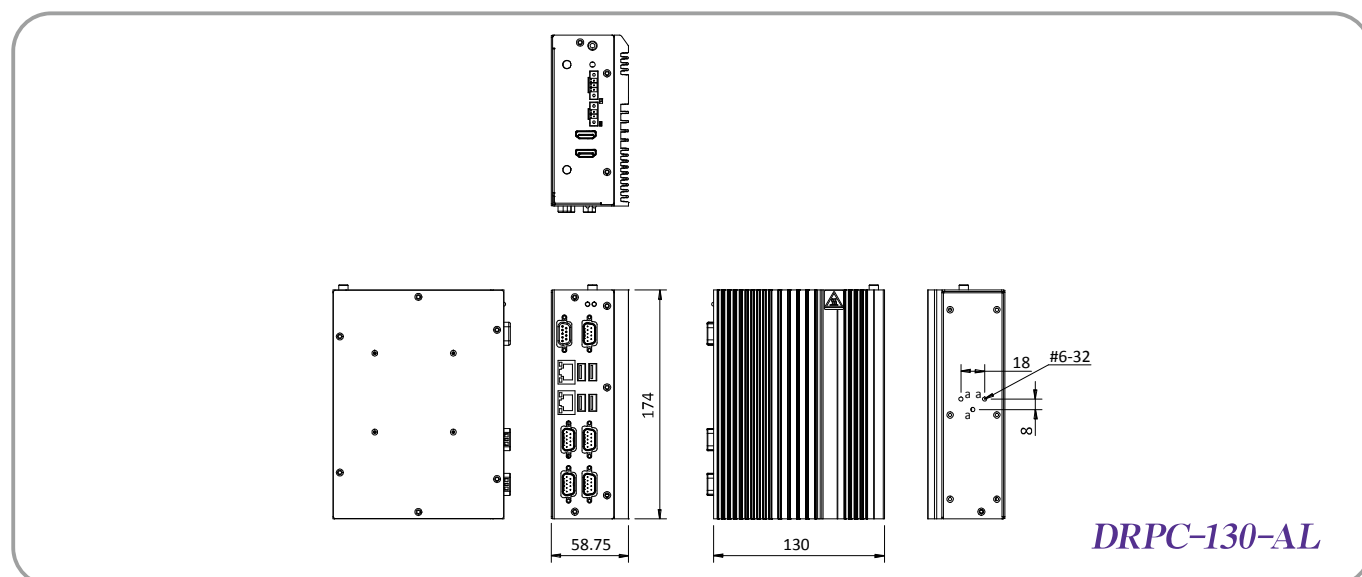
Front View



Top View



Dimensions (Unit: mm)



DRPC-130-AL

Ordering Information

Part No.	Description
DRPC-130-AL-E1-R11	Fanless embedded system, Intel® Apollo Lake x5-E3930 1.3 GHz (up to 1.8 GHz, dual core), two HDMI, 8-bit DIO, CAN-Bus, COM, 12~24V DC and RoHS
DRPC-130-AL-E1/4GB-R11	Fanless embedded system, Intel® Apollo Lake x5-E3930 1.3 GHz (up to 1.8 GHz, dual core), 4GB DDR3L pre-installed memory, two HDMI, 8-bit DIO, CAN-Bus, COM, 12~24V DC and RoHS

Options

Item	Part No.	Description
Adapter*	63040-010036-210-RS	Adapter Power;FSP;FSP060-DHAN3;9NA0608010;Vin:90~264VAC;60W;Dim:62.0*110*31.5mm;Plug=7.5mm;Cable=1200mm;Erp(NO LOAD 0.21W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Power Cable*	32102-026500-100-RS	WIRE CABLE;POWER CABLE;2;200MM;18AWG;(A)DC JACK 5.5X2.5, NUT+WASHER ;(B)TERMINAL BLOCK:3P P=3.5;SHANGHAI YING YU;RoHS
Power Cord	32702-000400-200-RS	European power cord
Wireless Kit	EMB-WIFI-KIT01-R20	1T1R Wi-Fi module kit for embedded system, IEEE802.11a/b/g/n/ac Wi-Fi with Bluetooth 4.0/3.0+HS, 1 x Wi-Fi module, 2 x 250mm RF cable, 2 x Antenna, RoHS
TPM Module	TPM-IN02-R20	20-pin Infineon TPM2.0 module, software mangement tool, firmware v5.5
DIN-Rail Mounting Kit	DK-DRPC-R10	Rugged DIN-rail mounting kit for DPRC series only
OS: Windows Embedded 10	DRPC-130-W10E64-E-R10	OS Image with Windows® 10 IoT Enterprise Entry 64-bit for DRPC-130-AL Series, with DVD-ROM, RoHS

*It is required to order Power Cable together with Adapter for power usage

Packing List

1x Din-rail mounting kit	1 x Screw kit
--------------------------	---------------