DRPC-242-ADL-P

Fanless DIN-Rail Embedded System

Features

» Supported CPUs:

Intel® Core™ i7-1370PE (up to 4.8GHz, 14-core, 28W TDP)

Intel® Core™ i7-1260P (up to 4.7GHz, 12-core, 28W TDP)

Intel® Core™ i5-1340PE (up to 4.5GHz, 12-core, 28W TDP)

Intel® Core™ i5-1240P (up to 4.4GHz, 12-core, 28W TDP)

Intel® Core™ i3-1320PE (up to 4.5GHz, 8-core, 28W TDP)

Intel® Core™ i3-1220P (up to 4.4GHz, 10-core, 28W TDP)

Intel® Celeron® 7305 (5-core, 15W TDP)

» 2 x USB 3.2 Gen2 & 4 x USB 2.0

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

» CE/FCC compliant

Specifications

Form factor	
SBC Form Factor	» Supported CPU:
	Intel® Core™ i7-1370PE (up to 4.8GHz, 14-core, 28W TDP)
	Intel® Core™ i7-1260P (up to 4.7GHz, 12-core, 28W TDP)
	Intel® Core™ i5-1340PE (up to 4.5GHz, 12-core, 28W TDP)
	Intel® Core™ i5-1240P (up to 4.4GHz, 12-core, 28W TDP)
	Intel® Core™ i3-1320PE (up to 4.5GHz, 8-core, 28W TDP)
	Intel® Core™ i3-1220P (up to 4.4GHz, 10-core, 28W TDP)
	Intel® Celeron® 7305 (5-core, 15W TDP)
	» Chipset:
	SoC
	» System Memory:
	2 x SO-DIMM slot DDR4 3200 MHz (8 GB pre-installed) (up to 64GB)
	» Power:
	3-pin terminal block: 12 ~ 28 VDC
	Consumption: 12V@4.46A (Intel® Core™ i7-1260P with DDR4 8G Memory)
I/O Interface	
I/O Ports	» USB:
	2 x USB 3.2 Gen2
	4 x USB 2.0
	» Ethernet:
	1 x 2.5 GbE by Intel® I225LM/I226LM controller support iAMT
	2 x 2.5 GbE by Intel® I225-V/I226-V controller
	» Display:
	1 x lockable HDMI™ 1.4b (up to 4096 x 2160@30Hz)
	1 x DP 1.4b (up to 4096 x 2160 @60Hz)
	» COM Port:
	2 x RS-232 (DB9 with 2.5KV isolation)
	2 x RS-232 (optional)

	2 x RS-422/485 with AFC (DB9 with 2.5KV isolation)
	» GPIO:
	1 x 12-bit(6-in, 6-out)(optional)
	» 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) Support Vpro
	1 x 3042/52 B-key (PCIe Gen3 x1/USB 3.2 Gen2/USB 2.0)
	1 x On-board SIM card socket (hinge type) for M.2 B key
	1 x 2280 M-key (PCIe Gen4 x4)
	» Backplane:
	1 x PCIe Gen3 x4 (optional)
System	
Cooling method / System Fan	Fanless
	4-pin external system fan connector
Drive Bays	1 x 2.5” SATA 6Gb/s SSD bay
Indicator&Buttons	
Buttons	1 x Power button
	1 x 2-pin terminal block for Remote Power Button,
	1 x Reset button
	1 x AT/ATX switch,
Indicators	1 x Power LED
	1 x HDD LED
Physical Characteristics	
Construction	Extruded aluminum alloy
Color	
Color	Black
Dimensions	
Dimensions	81 x 150 x190 mm
Weight	
Weight	1.88 / 2.66KG
Environment	
Operating Temperature	-20°C ~ 60°C with 0.7M/S air flow (SSD)
Humidity	10% ~ 95% non-condensing
Operating Vibration	10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD)
Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis (SSD)
Safety & EMC	CE, FCC, UKCA
OS Support	
OS Support	Microsoft® Windows® 10/11, Linux

Ordering Information

DRPC-242-ADL-P-i7CS-R10	Embedded system with 12th Gen Intel® Core™ i7-1260P, TDP 28W, 8GB DDR4 pre-installed memory, HDMI/DP, 3 x 2.5GbE LAN, 4 x COM, 6 x USB, 12~28V DC, RoHS
DRPC-242-ADL-P-i5CS-R10	Embedded system with 12th Gen Intel® Core™ i5-1240P, TDP 28W, 8GB DDR4 pre-installed memory, HDMI/DP, 3 x 2.5GbE LAN, 4 x COM, 6 x USB, 12~28V DC, RoHS
DRPC-242-ADL-P-i3CS-R10	Embedded system with 12th Gen Intel® Core™ i3-1220P, TDP 28W, 8GB DDR4 pre-installed memory, HDMI/DP, 3 x 2.5GbE LAN, 4 x COM, 6 x USB, 12~28V DC, RoH
DRPC-242-ADL-P-Ri7ECS-R10	Embedded system with 13th Gen Intel® Core™ i7-1370PE, TDP 28W, 8GB DDR4 pre-installed memory, HDMI/DP, 3 x 2.5GbE LAN, 4 x COM, 6 x USB, 12~28V DC, RoH

DRPC-242-ADL-P-Ri5ECS-R10	Embedded system with 13th Gen Intel® Core™ i5-1340PE, TDP 28W, 8GB DDR4 pre-installed memory, HDMI/DP, 3 x 2.5GbE LAN, 4 x COM, 6 x USB, 12~28V DC, RoHS
DRPC-242-ADL-P-Ri3ECS-R10	Embedded system with 12th Gen Intel® Core™ i3-1320PE, TDP 28W, 8GB DDR4 pre-installed memory, HDMI/DP, 3 x 2.5GbE LAN, 4 x COM, 6 x USB, 12~28V DC, RoHS
DRPC-242-ADL-P-CCS-R10	Embedded system with 12th Gen Intel® Celeron® 7305, TDP 15W, 8GB DDR4 pre-installed memory, HDMI/DP, 3 x 2.5GbE LAN, 4 x COM, 6 x USB, 12~28V DC, RoHS

Packing List

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