

LPC-R1C

Industrial 19" Rackmount 1U Mini-ITX Solution

- Support Ultra Low Profile 1U Slim Add-on Card
- Short Chassis with 210 mm or 8.3" of Depth
- Internal 250W ATX PSU, Removable Air Filter



Overview

Liantec LPC-R1C series is an industrial 1U 19" rackmount mini-ITX system platform features 44mm of height and 210mm of depth for rackmount, wallmount or standalone application. LPC-R1C supports one slot of Ultra Low Profile 1U Slim add-on card, one 3.5" or two 2.5" drive, internal 250W AC/DC ATX power supply, one system fan, front access dual USB port and operating-removable air filter on front panel.

- 1U 19" rackmount Mini-ITX chassis at 430 x 44 x 210 mm of dimension with industrial heavy-duty steel / rugged construction for harsh industrial environment.

- Support Mini-ITX motherboard with customized back panel with I/O ports of motherboard and AC inlet of power supply.
- Support one Ultra Low Profile 1U Slim PCI / PCI Express Add-on Card.
- Front access dual USB ports.
- One 4020 system cooling fan on back panel with operating-removable air filter on front panel.
- Internal one 3.5" or two 2.5" HDD / SSD drive bay.
- Internal full range 90~264V / 47~63Hz AC/DC 250W ATX power supply.

Specification

Form Factor

- Industrial 1U 19-inch rackmount EIA RS-310C chassis with 430 x 44 x 210 mm (W x H x D) of dimension.

Chassis Material

- Heavy-duty steel.

Motherboard

- Mini-ITX / Mini-FlexATX motherboard with 170 x 170 mm of dimension.
- Active / passive CPU cooler meets 1U systems.

Front Panel

- Hidden power / reset button and power / access indicated LED.
- Operating-removable air filter in front door.
- Dual USB ports.

Back Panel

- AC Inlet, I/O ports, 1U slim bracket, system fan.
- Customized back panel for consigned motherboard.

Add-on Card

- Support one Ultra Low Profile 1U Slim Add-on Card with bracket.

Drive Bay

- One 3.5" or two 2.5" drive bay for HDD/SSD.
- Shock-proof / vibration-proof construction.

System Fan

- One Sunon 40 x 40 x 20 mm VAPO bearing fan with 5200 rpm / 6.3 CFM / 18 dBA.
- MTBF > 50,000 hrs.

Power Supply

- Internal [FSP250-50LC](#) 250 watt ATX power supply.
- Supports 90~264V / 47 ~ 63 Hz AC power input.
- Efficiency > 85% under 50% of full loading.
- True power input < 1 watt on standby mode, meets EuP Lot-6/2010.
- Safety: UL+cUL, TUV EN60950-1, CB, CCC, CE, BSMI.
- Conducted EMI: CE, FCC, BSMI, CISPR 22 class B.
- MTBF > 100,000 hrs under 100% loading / 25°C.

Environment

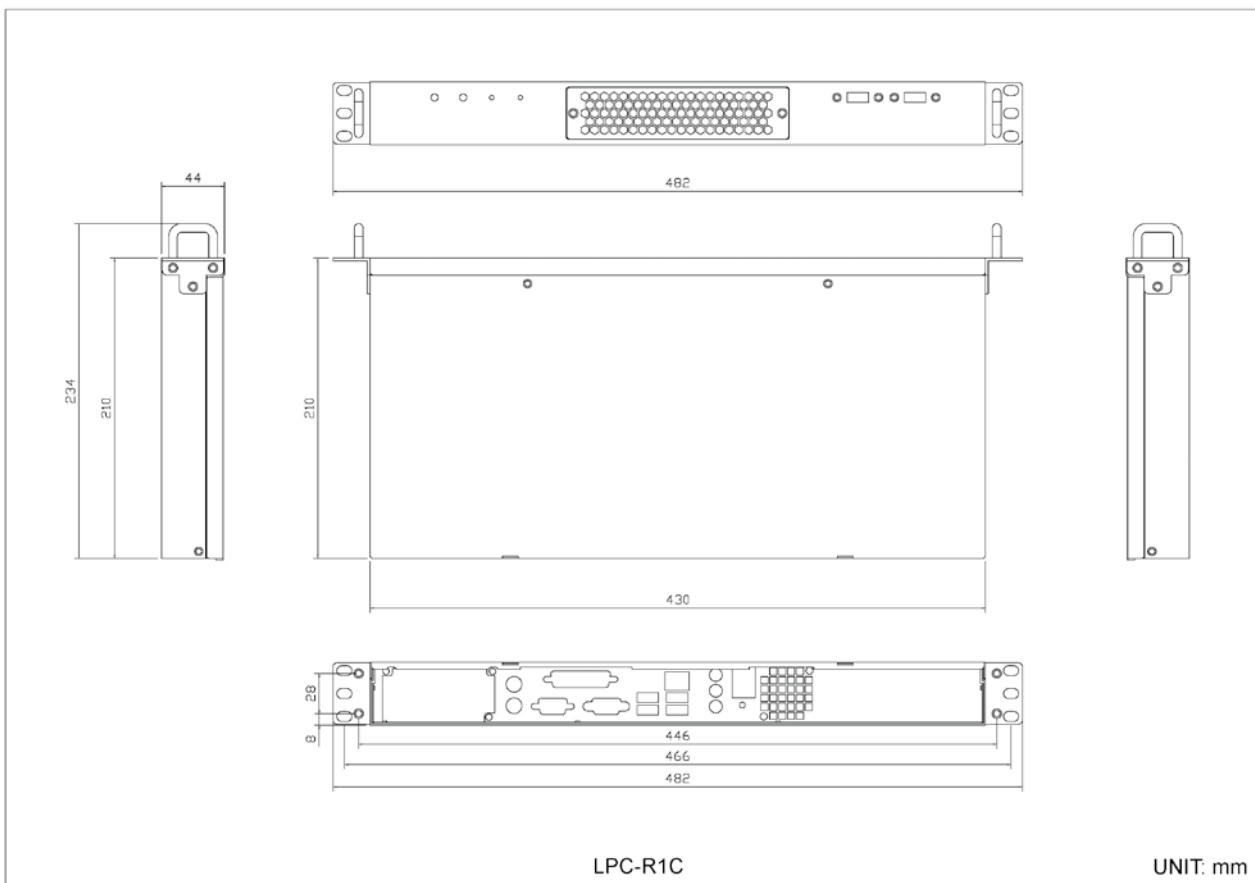
- Power Input: 90~264V/47~63Hz AC power input.
- Mainbody Dimension: 430 x 44 x 210 mm (W x H x D)
- Operation Temperature: 0 ~ 40°C (32 ~ 104°F)
- Storage Temperature: -40 ~ 85°C (-40 ~ 167°F)
- Operating Humidity: 5 ~ 85% relative humidity, non-condensing under 40°C.
- Altitude: 10,000 feet (3,000 meter)
- Vibration: 15G peak acceleration / 10 msec of duration
- Shock: 1.5G Max with package.

Ultra Low Profile 1U Slim Add-on Card

LPC-R1C supports one slot of Ultra Low Profile 1U Slim PCI / PCI Express add-on card. For the further product information and updates about Liantec Ultra Low Profile 1U Slim PCI / PCI Express add-on card, please visit the website at <http://www.liantec.com/product/LTC-1000.htm>



Mechanical Drawing



Ordering Code

- LPC-R1C** Industrial 1U 19" Rackmount Mini-ITX Platform
with Drive Bay, System Fan, Front USB Ports, and 250W ATX Power Supply
- LPC-R1C-6M45** Industrial 1U 19" Rackmount Intel GM45 Mini-ITX Platform
with Liantec [ITX-6M45](#) Mini-ITX Intel GM45 EmBoard, Tiny-Bus Modular Extension Solution
Drive Bay, System Fan, Front USB Ports, and 250W ATX Power Supply

For the further product information and updates about Liantec LPC-R1C industrial 1U 19" rackmount Mini-ITX Platform, please visit the website at <http://www.liantec.com/product/lpc/LPC-R1C.htm>