

# PDTA 1372

Desktop uCPE w/ NXP® Layerscape® LS1043A SoC Processors, 2+4 x GbE  
RJ45 Include One Combo Port and The PCIe Slot for Wi-Fi/LTE



## Main Features

- ◆ NXP Layerscape® LS1043A series SoC, BGA type
- ◆ Onboard DDR3L 512MB up to 2GB
- ◆ Onboard NAND Flash 256MB
- ◆ 4 x 1G switch copper ports
- ◆ 1 x 1G fiber/copper combo port
- ◆ 1 x 1G copper port
- ◆ 2 x USB 3.0 type A
- ◆ PoE at/af support with 30W power budget
- ◆ Internal PCIe slot for Wi-Fi/LTE
- ◆ DPAA with network accelerators engine

## Product Overview

Desktop network security appliance PDTA 1372 helps small enterprises build a securely connected workplace. Based on the NXP® layerscape LS1043A, the PDTA 1372 packs excellent performance per watt, accelerated data cryptography and high performance LAN functions into a small form factor. This desktop network security appliance can create safe environments for network communication to connect employees and offices.

With four core ARM® Cortex-v8 A53 64-bit network system on chip integrated with NXP® data path acceleration architecture (DPAA) technology, the PDTA 1372 is designed to help increase both network responsiveness and security by distributing computing power to core applications, ranging from SDWAN or dedicate firewalls, while using NXP® DPAA technology for data encryption and decryption, which were processed by software or a discrete hardware accelerator.

## Specifications

### Main Board

- ◆ NXP® QorIQ® Layerscape LS1043A SoC, BGA type ps: onboard - LS1043A, 4 cores w/ DPAA

### Memory

- ◆ Onboard 512MB DDR3L design up to 2GB

### Storage

- ◆ Onboard 256MB SLC NAND Flash
- ◆ Onboard 4MB NOR Flash
- ◆ Micro SD card support

### Interface External

- ◆ 4 x GbE RJ45 switch ports
- ◆ 1 x GbE RJ45 port
- ◆ 1 x Combo port(copper/fiber)
- ◆ 1 x Console port with micro USB type B type form factor
- ◆ 3 x SMA connector for antenna
- ◆ 4 x LED: Internet/status/mode/Wi-Fi & LTE
- ◆ 1 x Button: reset

### Interface internal

- ◆ 1 x PCIe for Wi-Fi or LTE module

### Power

- ◆ 75W desktop type power adaptor

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### Dimension and Weight

- ◆ Chassis dimension (mm): 150 x 225 x 44
- ◆ Package dimension(mm): TBD
- ◆ Without packing: TBD
- ◆ With packing: TBD

### Environment

- ◆ Operating temperature: 0°C~40°C
- ◆ Storage temperature: -20°C~80°C
- ◆ Relative humidity: 10%~90% non-condensing

### Certification

- ◆ N/A

### LAN module list

- ◆ N/A

## Ordering Information

- ◆ **PDTA 1372 (P/N: TBD)**  
Please contact our sales team

