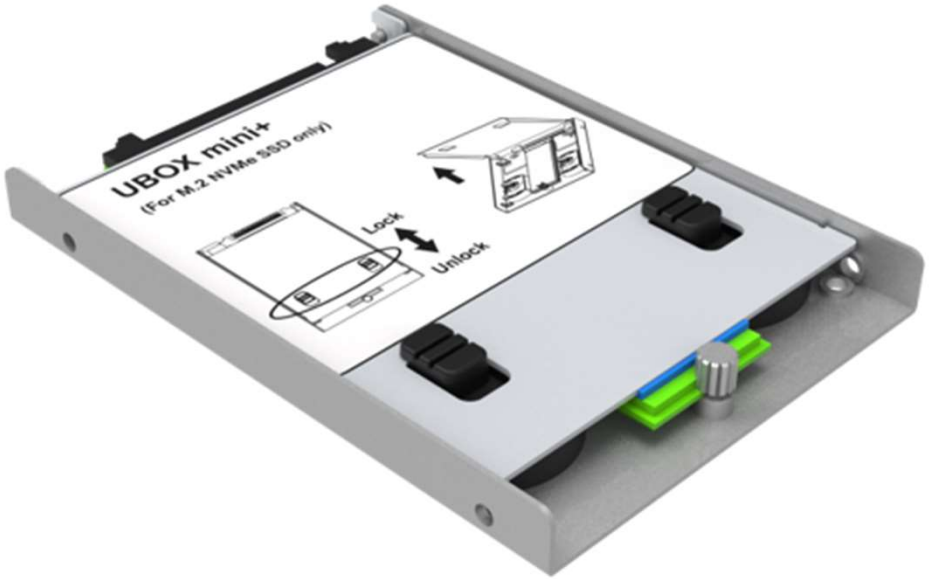
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# UBOX-Mini+

## M.2 2280 NVMe to U.2 Adapter




### SALES GUIDE

- PCIe Gen4 x4 NVMe connectivity
- Tool-Free SSD Installation & Securing
- 2.5-inch form factor | 9.5mm height

Compatible U.2 host or backplane with PCIe NVMe support required.

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# Product positioning

## M.2 2280 NVMe storage for compatible U.2 systems

### WHAT IT DOES

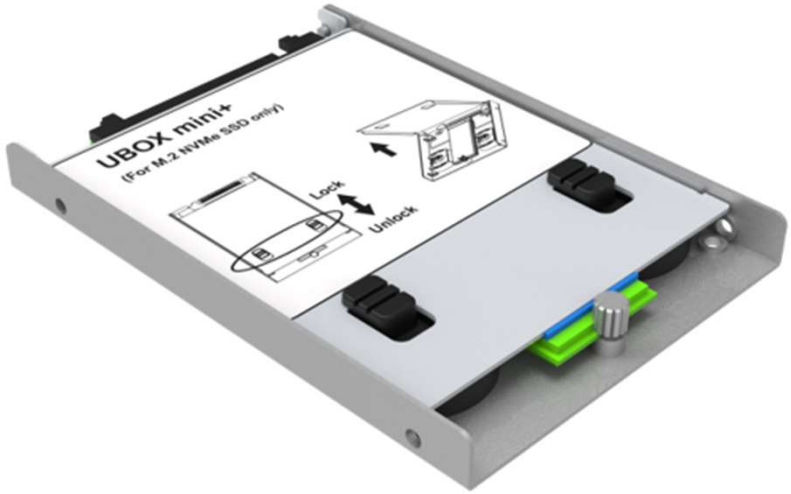
Accommodates one M.2 2280 NVMe SSD and connects through a U.2 SFF-8639 interface.

### WHY CUSTOMERS CHOOSE IT

Tool-free SSD securing with a single hand-tightened thumb nut, plus a quick-release heatsink cover.

### CUSTOMER BENEFIT

Less handling of small screws during SSD installation, replacement and maintenance.




**HOST REQUIREMENT** **U.2 PCIe NVMe support required; SATA-only and SAS-only connections are incompatible.**

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# Core selling points

| FEATURE | CUSTOMER VALUE |
| --- | --- |
| **Single Hand-Tightened Thumb Nut** | Secure the M.2 2280 SSD by hand - no screwdriver required. |
| **Quick-Release Heatsink Cover** | Lock/Unlock Mechanism gives convenient cover access for service. |
| **PCIe Gen4 x4 connectivity** | Connect to supported U.2 PCIe NVMe systems; actual speed depends on SSD and host. |
| **2.5-inch, 9.5mm all-metal housing** | Compact SSD integration in compatible U.2 storage platforms. |
| **Aluminum heatsink + thermal pad** | Help transfer SSD heat in properly ventilated systems. |

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# Tool-free installation & securing

Unlock. Install. Secure. Close. | No screwdriver required.

## 01 UNLOCK



Open the quick-release heatsink cover.

## 02 INSTALL



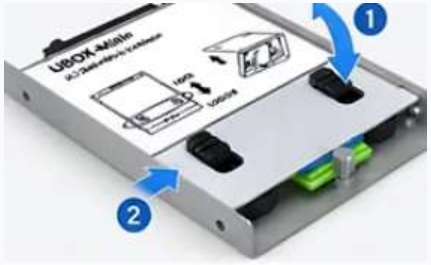
Insert the M.2 2280 NVMe SSD.

## 03 SECURE

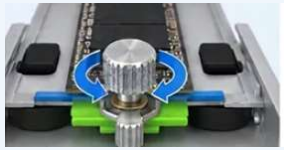


Hand-tighten the thumb nut.

## 04 CLOSE



Replace the cover and lock it.



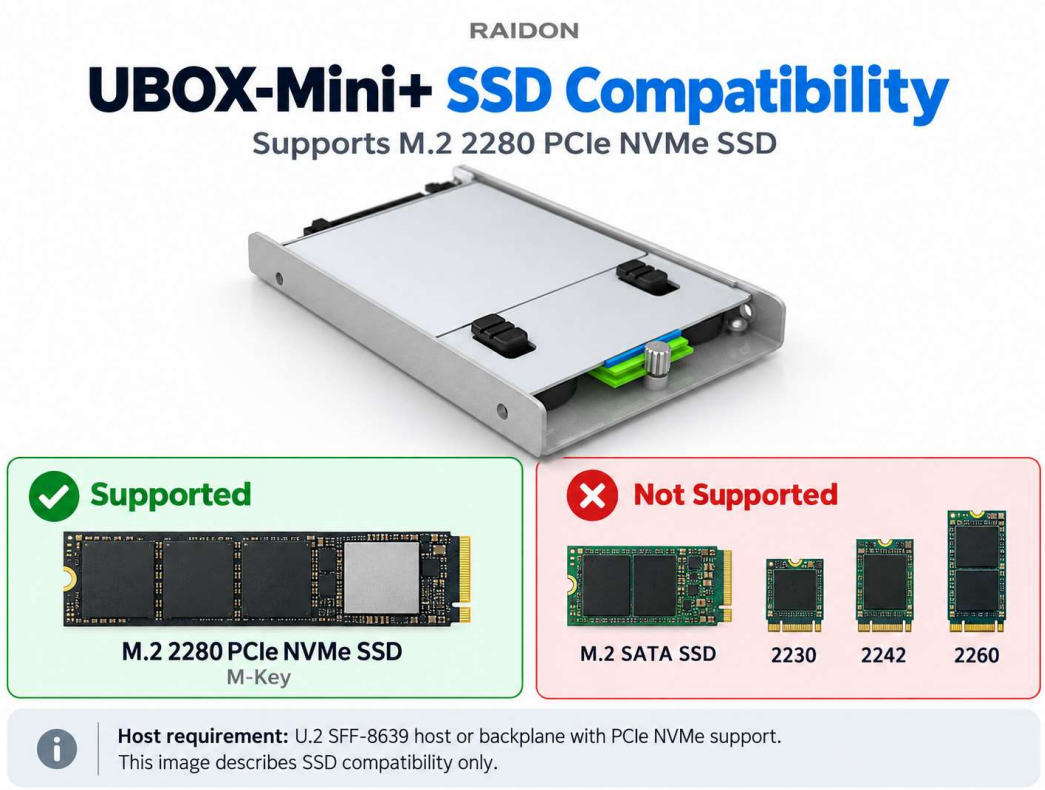
DESIGN DETAIL

### Single Hand-Tightened Thumb Nut

SSD installation and securing require no screwdriver.

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# SSD and host compatibility




## SUPPORTED SSD

One M.2 2280 PCIe NVMe SSD.

## REQUIRED HOST

U.2 SFF-8639 host or backplane with PCIe NVMe support.

## SALES CHECK

Verify SSD type and host/backplane compatibility before quoting.

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# Target customers and use cases

| CUSTOMER | APPLICATION | SALES CONVERSATION |
|---|---|---|
| **Workstation users** | Video, 3D and engineering | Integrating an M.2 SSD into an existing U.2 NVMe workstation |
| **Server / storage SI** | Compatible U.2 platforms | Flexible SSD selection and convenient service access |
| **Industrial / edge SI** | Embedded and edge systems | Compact integration and practical maintenance |
| **OEM manufacturers** | U.2 storage platforms | Platform fit, SSD qualification and integration validation |

**QUALIFY FIRST** **Host interface | M.2 SSD size | Tool-free service need | Adapter-only or complete system**

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# NVMe storage integration opportunities

## One adapter platform. Multiple storage applications.

INDUSTRIAL / OEM

### iU1776-U6P3

Front-access internal NVMe storage module

Existing UBOX Mini integration basis

**Evaluate Mini+ for easier SSD maintenance**

EXTERNAL RAID

### UR2-B32

Dual NVMe USB-C 20Gbps hardware RAID

Current configuration: two UBOX Mini

**Evaluate tool-free SSD securing on both bays**

USB4 / MOBILE

### MU1-B4

Single-bay USB4 40Gbps NVMe storage

Current configuration: UBOX Mini

**Evaluate MU1-B4+ as a convenience upgrade**

**INTEGRATION OPPORTUNITIES ONLY | Confirm mechanical, electrical, thermal and system-level fit before claiming compatibility.**

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# UBOX Mini vs. UBOX-Mini+

| SELECTION FACTOR | UBOX MINI | UBOX-MINI+ |
|---|---|---|
| **M.2 NVMe lengths** | 2242 / 2260 / 2280 | 2280 only |
| **Host interface** | U.2 SFF-8639 | U.2 SFF-8639 |
| **Form factor** | 2.5-inch, 9.5mm | 2.5-inch, 9.5mm |
| **SSD securing** | Screw-secured | Single Hand-Tightened Thumb Nut |
| **Heatsink cover access** | Screw-secured | Quick-Release / Lock/Unlock |
| **Best fit** | Multiple SSD lengths | Tool-free M.2 2280 installation |

**Choose by customer need: SSD length flexibility or tool-free M.2 2280 installation and securing.**

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# Technical specifications

| ITEM | SPECIFICATION |
|---|---|
| **SSD / PCIe interface** | 1 x M.2 2280 NVMe SSD / PCIe Gen4 x4 |
| **Host interface / requirement** | 1 x U.2 SFF-8639 with PCIe NVMe host/backplane |
| **Enclosure** | 2.5-inch / 9.5mm / all-metal construction |
| **SSD securing** | Single Hand-Tightened Thumb Nut (tool-free) |
| **Heatsink cover** | Quick-Release Heatsink Cover / Lock/Unlock Mechanism |
| **Cooling** | Aluminum alloy heatsink and thermal pad |
| **Operating temperature** | 0°C to 40°C |

Actual throughput depends on the installed SSD and the host system.

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# Common customer questions

## Which SSDs are supported?

One M.2 2280 PCIe NVMe SSD. M.2 SATA, 2242 and 2260 are not supported.

## Does every U.2 slot work?

No. A U.2 PCIe NVMe host or backplane is required; SATA-only and SAS-only are incompatible.

## Why choose Mini+ over UBOX Mini?

Tool-free SSD securing and a quick-release heatsink cover. The original Mini supports more M.2 lengths.

## Does tool-free mean hot-swappable?

No. Hot swap depends on the host, backplane, OS and configuration. Follow host service procedures.

**PRODUCT INFORMATION raidon.com.tw/product.php?id=375**