

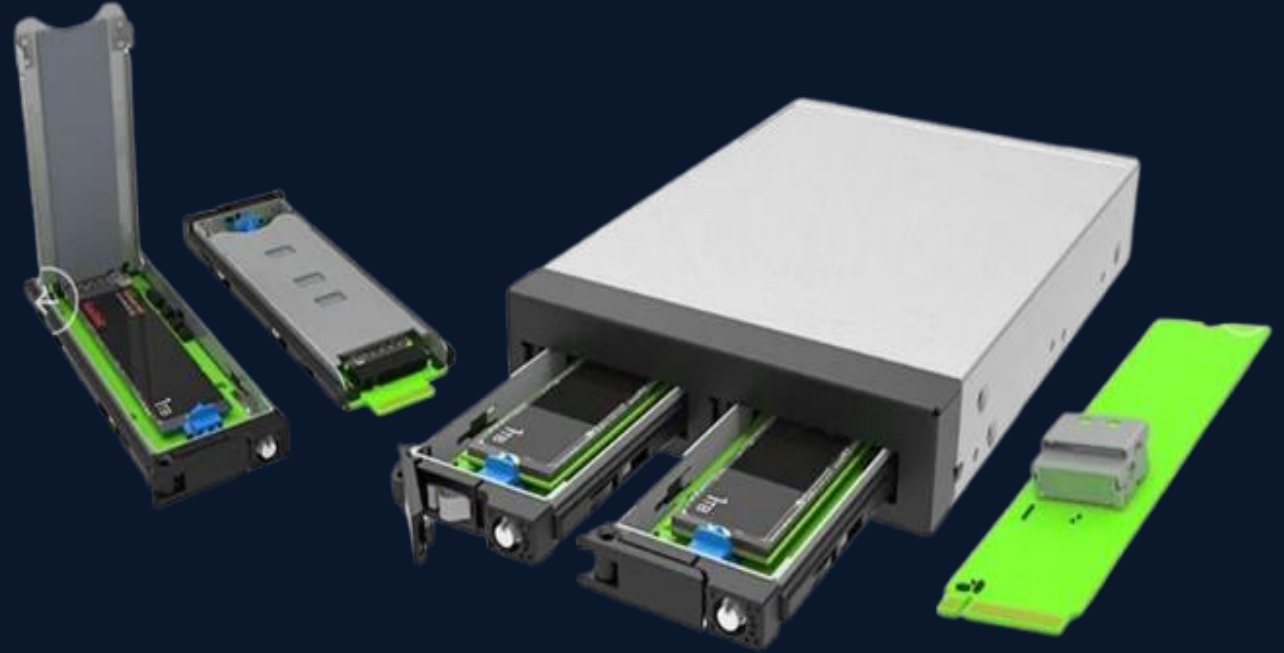
RAIDON

iUM2776P+ Series

Dual M.2 NVMe Front-Access Storage Solutions

Module-only and complete M.2-to-MCIO kit options

DISTRIBUTOR SALES GUIDE



iUM2776P+ • MiUM2776P+

The sales story

The customer problem

M.2 SSDs are fast—but buried inside the chassis.

- Drive replacement requires opening the system.
- Sustained workloads need better thermal control.
- GPU and I/O cards may consume every PCIe slot.
- A front 3.5-inch bay may still be available.

Sell serviceability—not benchmark speed

The RAIDON answer

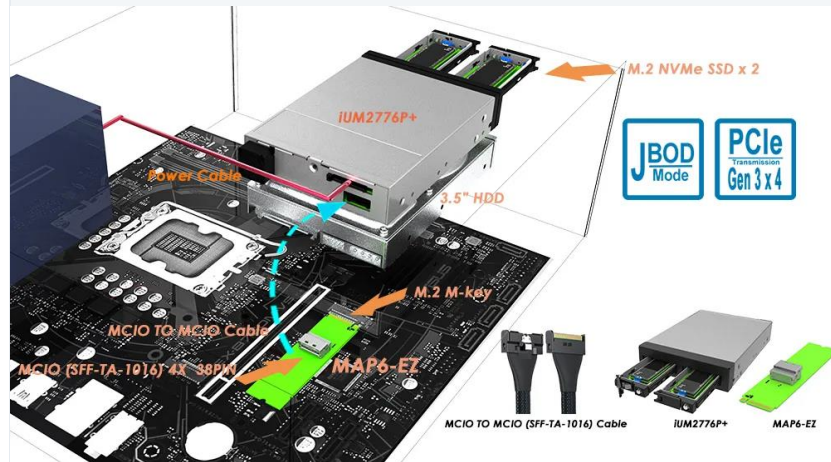
Two independent NVMe drives become a front-service storage bay.



Density • Front access • Lockable trays • Active cooling

One storage architecture, two buying paths

Shared iUM2776P+ core



HOST PATH



iUM2776P+ CORE

PCIe Gen3 x4 uplink

Gen3 x2 per SSD

2 independent NVMe drives

JBOD by design

Why customers buy

Benefits shared by both models

- | | | |
|----|------------------------------------|--|
| 01 | Double drive density | Two M.2 NVMe SSDs in one standard 3.5-inch footprint. |
| 02 | Service from the front | Tool-free, lockable trays reduce maintenance time and handling errors. |
| 03 | Sustain demanding workloads | Metal enclosure and 2 cm active fan help control SSD thermals. |
| 04 | Preserve expansion slots | Cabled PCIe routing can free PCIe slots for GPUs, NICs or capture cards. |
| 05 | Keep deployment flexible | Supports M.2 NVMe 2230 / 2242 / 2260 / 2280 and standard SATA power. |

Choose the right SKU

Same core performance—different integration package

Buying criterion	iUM2776P+	MiUM2776P+
Product type	Dual-NVMe module	Complete extension kit
Host connection	Existing PCIe MCIO interface	Motherboard M.2 NVMe slot via MAP6-EZ
Included	Module + accessory kit	Module + MAP6-EZ + 50 cm MCIO cable
Best buyer	OEM / IPC / system integrator	Workstation builder / distributor
Primary advantage	Flexible platform integration	Ready connection path without a PCIe card

Rule of thumb Existing PCIe MCIO path → iUM2776P+ | Need to convert an M.2 slot → MiUM2776P+

Who should buy

Target accounts and buying triggers

iUM2776P+ focus

OEM / IPC manufacturers

Need a fixed, validated front-NVMe module in compact systems.

Server & edge integrators

Need shorter service time and two removable NVMe devices.

Machine vision / data capture

Need separate capture and handoff volumes with clear physical workflow.

MiUM2776P+ focus

Workstation builders

Need front-access project SSDs while PCIe slots stay available.

Media / CAD / 3D teams

Need fast project turnover, scratch and archive separation.

Labs & validation teams

Need rapid switching among OS images, test environments or customer builds.

Best-fit applications

Lead with workflow value

PROJECT SSD CARTRIDGES

Video / photo / CAD

Swap project drives from the front; use one SSD for active work and one for scratch or handoff.

DATA CAPTURE & HANDOFF

Machine vision / inspection

Keep capture and completed-batch data on separate physical drives for controlled transfer.

EDGE SERVICEABILITY

Industrial / edge systems

Replace storage without opening the chassis; shorten field maintenance and reduce handling risk.

TEST ENVIRONMENT SWITCHING

Lab / QA / validation

Preload OS images or customer environments on trays and change them with a repeatable process.

How to recommend the right model

Three questions before quoting

1 Does the system already provide PCIe lanes through MCIO?

YES → Recommend iUM2776P+

NO → Continue

2 Is there an available motherboard M.2 NVMe slot?

YES → Recommend MiUM2776P+

NO → Use a compatible PCIe HBA / another solution

3 Does the chassis have a standard 3.5-inch front bay?

YES → Proceed to validation

NO → This series is not the right mechanical fit

Compatibility qualification

Confirm before promising deployment

✓ PCIe signaling

MCIO must carry PCIe lanes—not SATA/SAS-only connectivity.

✓ Host topology

Confirm motherboard / HBA enumeration and BIOS/UEFI behavior.

✓ Hot-plug support

Mechanical hot-swap is built in; OS recognition depends on platform support.

✓ Power-on behavior

Power the module during boot; unsupported systems may require rescan or reboot.

✓ Performance expectation

Gen4/Gen5 SSDs can be installed but operate within the Gen3 ×4 / x2+x2 architecture.

✓ Storage mode

The host sees two independent NVMe drives; RAID is software / BIOS based, not built-in hardware RAID.

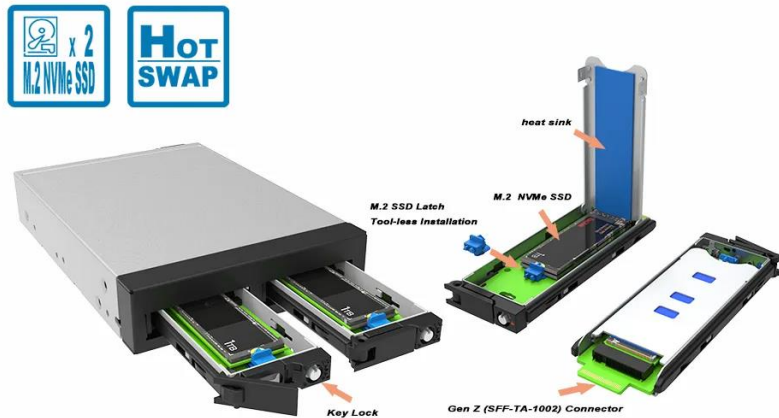
Distributor best practice: sell as a validated configuration with a named motherboard / HBA, chassis, SSD and OS.

Close the sale with the right message

Fast answers for distributors

Core sales message

Turn internal M.2 NVMe storage into a front-access, actively cooled and lockable dual-drive workflow.



Front access

Dual NVMe

Active cooling

Is it hardware RAID?

No. Two independent drives; software / BIOS RAID is optional.

Can it hot-swap?

The hardware can; automatic recognition depends on the host platform and OS.

Will Gen4 / Gen5 SSDs work?

Yes, at the product's PCIe Gen3 operating limits.

Can it connect to a SATA/SAS bay?

No. The MCIO path must provide PCIe lanes.

Which model should I lead with?

MiUM2776P+ for a complete kit; iUM2776P+ for existing MCIO systems.