# RM101-OOB

## M.2 Out Of Band Module Compact BMC
Peripheral

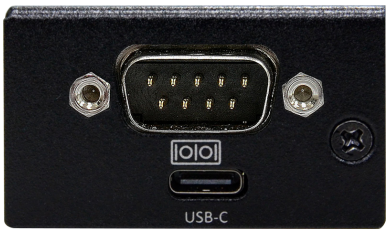
*A hardware module that provides secure Out-Of-Band device monitoring and management functions over the connected edge system.*

## KEY FEATURES

- ARM926EJ-S microprocessor embedded
- Low power consumption of less than **0.5 W**
- Built-in **Out-Of-Band (OOB)** remote management including remote power on/off, remote hardware monitor, remote BIOS setup, remote BIOS update and optional remote OS recovery

## PANEL

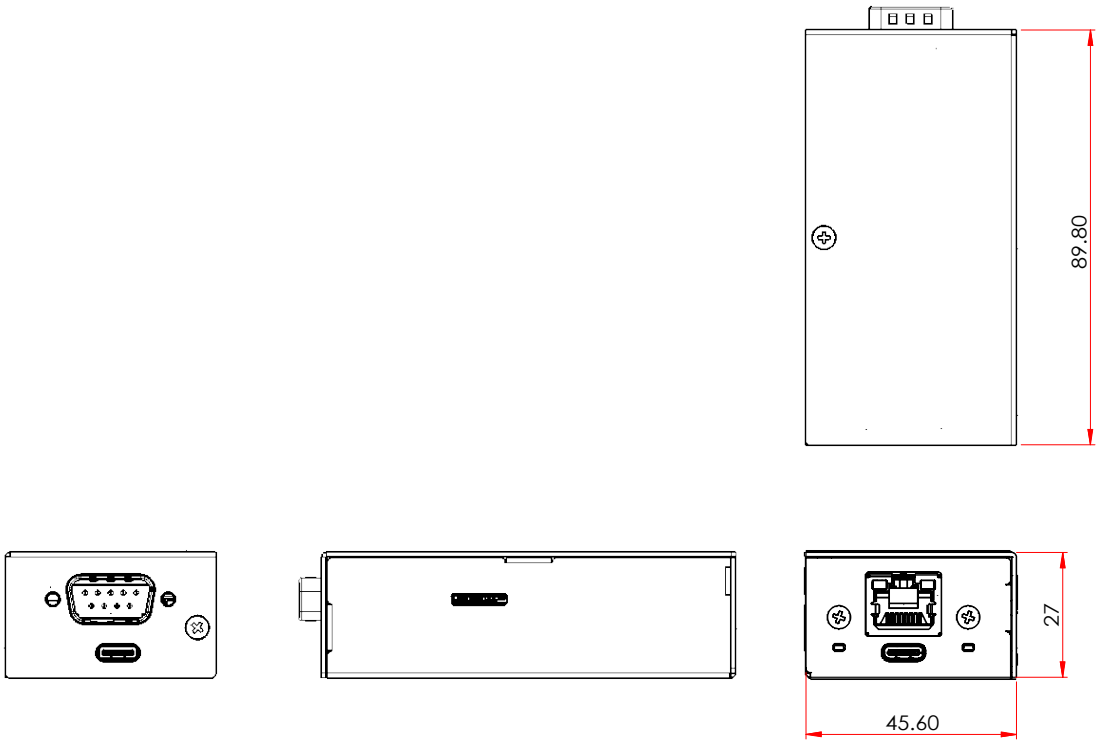
Front View




Rear View

Flank View

## MECHANICAL DRAWING




## SPECIFICATION

| | | |
|---|---|---|
| **Out-Of-Band Monitoring and Management Functions** | **Processor** | Nuvoton NUC980DK71YC (LQFP-128, 128MB DDR2) |
| | **Power Cycling** | • Enforcement Shutdown<br>• Power Switch On / Off<br>• Reset |
| **Signal Interface** | **Connector** | Proprietary M.2 Pin Definition by DFI |
| | **Factory Reset** | Factory Reset Button (5 Seconds Pressed) |
| | **Configuration Lock** | 2 DP switch (default: both disabled) |
| | **Storage** | 128MB SPI NAND Flash<br>Micro SD Slot (Co-layout with optional eMMC) |
| | **LED Indicator Lights** | MCU Activated |
| **Environment** | **Operating Temperature** | -5 to 65°C (On Industrial Motherboard) |
| | **Operation Humidity** | 5 to 90% (Non-condensing) |
| | **Storage Temperature** | -40 to 85°C |
| | **Certification** | CE / FCC / RoHS & REACH Compliant |
| **Mechanical** | **Dimensions** | 89.80 x 45.60 x 27mm |

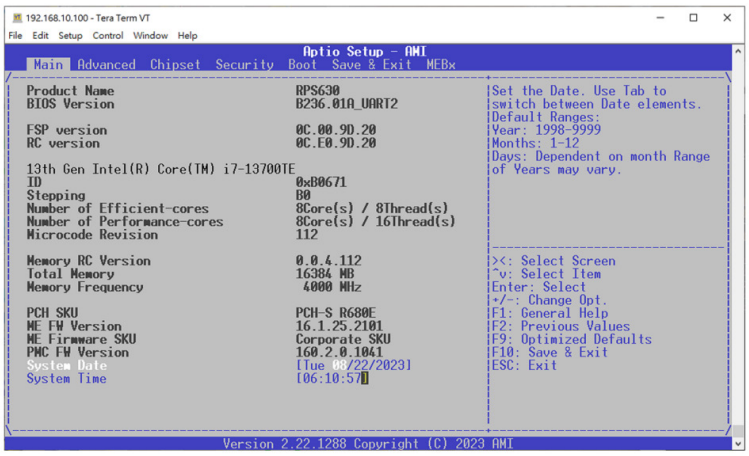
## ORDERING INFORMATION

| Model Name | Part Number | Description |
|---|---|---|
| RM101-OOB | 750-RM1010-000G | OOB box for M2A-OOB with EXT-OOB Carrier, DB9 Input, USB type C power |
| RM101-OOB | 750-RM1010-100G | OOB box for M2A-OOB with EXT-OOB Carrier, DB9 Input, USB type A power |

## PACKING LIST

| | |
|---|---|
| • 1 System unit | |
| • 1 COM cable (Length: 200mm) | A81-015127-054G |
| • 1 USB power cable (Length: 200mm) | |
| - 000G (USB TYPE C to USB TYPE C) | A81-001200-017G |
| - 100G (USB TYPE A to USB TYPE C) | A81-001199-017G |

## BASIC FUNCTION




***Open SSH Login***
***Remote power on/off & reset control***
***Recovery (Factory Mode)***
***Remote BIOS setup & UEFI shell (serial over lan)***
***Remote BIOS update SOL & DFI USB-Storage***
***Change OOB IP address***
***Remote Recovery OS Image (UEFI text mode)*****

*****Remote Recovery OS Image only supports windows.***



DFI reserves the right to change the specifications at any time prior to the product's release. Changes thereafter will be based on the product's revision. Please contact your sales representative for the exact revision offered in your area. All product names mentioned are trademarks of their respective companies. © April 15, 2026 DFI Inc.