

Northern[★]

CUSTOMISED SERVERS

DATASHEET

OVERVIEW

Northern Servers have been custom designed for the requirements of the security industry and this 4-bay unit is a versatile rack-mounted server for both video management and access control systems.

This server can be used as a management and recording server for Milestone, Hanwha WAVE and Hik-Central or for Inner Ranges Integriti integrated access control and intruder detection systems. This unit is customisable to suit the requirements of the specific installation so please contact Atlas Gentech for more configuration options.

ITEM CODE	DESCRIPTION
NOR-SRV1-4BAYv4	Northern Server, 2RU, 4 Bay, i3, 16GB, 250GB SSD, Win 11 Pro, 3 Year Warranty
NOR-SRV2-4BAYv4	Northern Server, 2RU, 4 Bay, i5, 16GB, 250GB SSD, Win 11 Pro, 3 Year Warranty
NOR-SRV3-4BAYv4	Northern Server, 2RU, 4 Bay, i7, 32GB, 500GB SSD, Win 11 Pro, 3 Year Warranty



FEATURES

- 4 bay, 2RU rack mounted server
- Powerful 14th Gen Intel i3 i5 or i7 CPU
- DDR4 RAM (16GB,32GB and 64GB Options)
- Intel GPU Dual Monitor Outputs
- 3x Monitor Outputs
- 4 x 3.5 Hot swap drive bays
- Solid State OS Drive (500GB or 1TB Options)
- Windows 11 Pro
- Milestone XProtect Server
- Hanwha Wisenet WAVE Server
- Hik-Central Server
- Inner Range Integriti Server

ADDITIONAL INFORMATION

Warranty	3 Years
NOR-SRV1-4BAY max number of cameras	64
NOR-SRV1-4BAY max incoming bandwidth	250Mbps
NOR-SRV2-4BAY max number of cameras	64
NOR-SRV2-4BAY max incoming bandwidth	300Mbps
NOR-SRV3-4BAY max number of cameras	100
NOR-SRV3-4BAY max incoming bandwidth	450Mbps

Northern[★]

CUSTOMISED SERVERS

DATASHEET



Power On / Off, system reset,
USB 2.0 x 1, USB 3.1 Gen 1 Type-A x 1



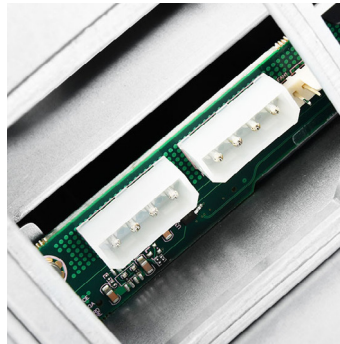
Auto lock handle for easily secures to
rackmount cabinet without screws



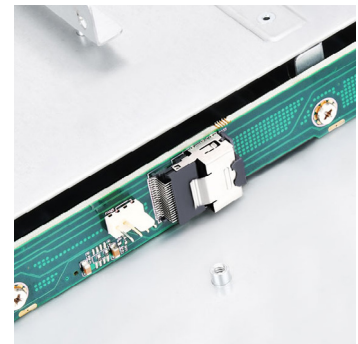
80mm x 15mm PWM fans x 3



Button for releasing top cover



2 x 4-Pin peripheral connector



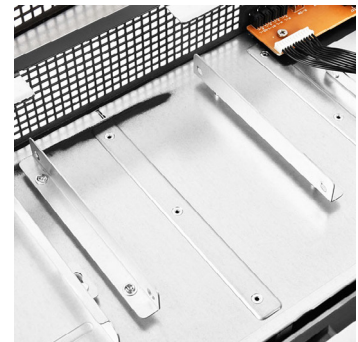
6 Gb/s Mini-SAS SFF-8087



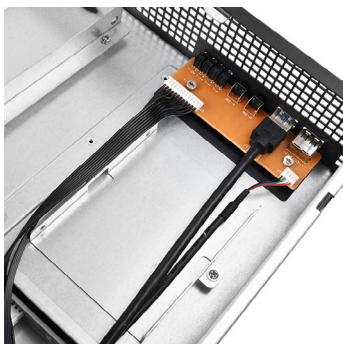
Supports Micro ATX motherboards



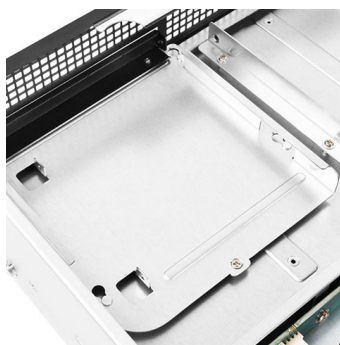
Supports four 2.5" / 3.5"
SAS/SATA HDD / SSD



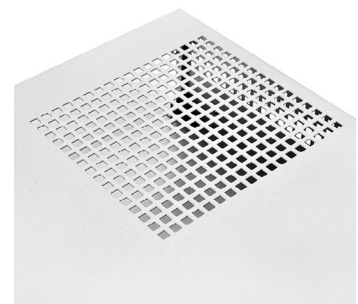
3.5" devices cage



2.5" HDD cage



Slim ODD cage



Ventilation for PSU fans

Northern[★]

CUSTOMISED SERVERS

DATASHEET

SPECIFICATIONS

Model No.	SST-RM21-304
Chassis form factor	2U
Motherboard	Mirco ATX (9.6" x 9.6"), Mini-ITX (6.7" x 6.7")
Drive Bay	External 3.5" or 2.5" HDD/SSD hot-swap x4 Internal 3.5" x 1, 2.5" x 1 (up to 15mm), slim optical x 1 (up to 12.7mm)
Cooling System	80 x 15mm ball bearing fan x 3 4000±10% RPM
Power Supply	2U single or 2U redundant/PS2 ATX up to 160mm deep and 86.3mm height (not included)
Limitation of CPU cooler	68mm
Power connector on HDD backplane	4-Pin peripheral x 2
Expansion Slot	Low profile PCI/PCIe x 4
Front I/O Port	USB 2.0 x 1, USB 3.1 Gen 1 Type A x1**
Front buttons	Power on/off, system reset
Indicators	Chassis: Power LED x 1: Blue HDD Access x 1: Green LAN LED x 1: Green HDD Tray: HDD Power LED x 8: Yellow HDD Access x 8: Blinking Green
HDD backplane	4 ports SAS/SATA to Mini-SAS SFF-8087 x 1
HDD Interface	SAS-1/SAS-2/SAS-3 SATA-1/SATA-2/ SATA-3
Main metal thickness	1mm
Net weight	6.3kg
Dimensions	430mm(W) x 88.5 (H) x 480mm (D) 18.3 Liters 16.93" (W) x 3.48" (H) x 18.9" (D) 18.3 Liters

