

## 4U1S RACKMOUNT & PEDESTAL SERVER



## Transport HX FT65T-B8050

B8050F65TV8E2H-G / B8050F65TV8E2H-N / B8050F65TV8E2H-2T-N

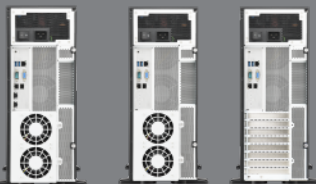


### Front View



- (2) 2.5" Hot-Swap HDD/SSDs +
- (8) 3.5"/2.5" Hot-Swap SAS/SATA HDDs

### Back View



- 80 plus Platinum (100-240Vac, 1,500W)
- 80 plus Gold (200-240Vac, 2,000W)

### Pedestal/4U 1S GPU server platform supports multiple high performance

- Single Socket SP5
- (1) AMD EPYC™ 9004 Series Processor
- (8) DDR5 DIMM slots, Support up to DDR5 RDIMM/3DS RDIMM 4800
- (8) 3.5" Hot-swap SATA + (2) 2.5" hot-swap U.2 NVMe drive bays
- PCIe Gen.5 support, Up to (5) total PCIe Gen.5 slots
- Supports (2) Double-wide x16 + (2) Single-wide x16 GPU cards
- (5) PCIe Gen.4 x16 slots
- (2) GbE + (1) IPMI ports or (2) 10GbE + (2) GbE + (1) IPMI ports(-2T sku)
- Onboard BMC w/ IPMI and iKVM support
- 2,000WDC ATX PSU @ 200-240VAC, 80+ Gold
- 1,500WDC ATX PSU @ 115-200VAC, 80+ Platinum
- 1,200WDC ATX PSU @ 110-115VAC, 80+ Platinum

### Summary Table

SKU	Motherboard	Storage
B8050F65TV8E2H-2T-N	S8050GM4NE-2T	(8) 3.5" SATA hot-swap + (2) 2.5" NVMe hot-swap
B8050F65TV8E2H-N	S8050GM2NE	(8) 3.5" SATA hot-swap + (2) 2.5" NVMe hot-swap
B8050F65TV8E2H-G	S8050GM2NE	(8) 3.5" SATA hot-swap + (2) 2.5" NVMe hot-swap

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B8050F65TV8E2H-2T-N

# TYAN

## Specifications

### Top View

**80 PLUS PLATINUM** **80 PLUS GOLD**  
**ATX PSU,**  
 80 plus Platinum (100-240Vac, 1,500W)  
 80 plus Gold (200-240Vac, 2,000W)

**S8050GM4NE-2T Motherboard**  
 (1) AMD EPYC™ 9004 Series Processor  
 (8) DIMM slots supporting  
 (2) 10GbE ports + (2) GbE ports +  
 (1) dedicated GbE for IPMI

**System Fan**  
 (2) 8038 exhausted



**Front panel board**  
 M1713G24-FPB

**HDD Backplane**  
 M1318T65-BP12E-2

**System Fan**  
 (3) 12038 fans

**HDD Backplane**  
 M1309F65T-BP12-8

System	Form Factor	4U Tower	
	Chassis Name	FT65T	
	Dimension (D x W x H)	25.5" x 16.8" x 6.9" (650 x 427 x 176mm)	
Front Panel	Motherboard	S8050GM4NE-2T	
	Buttons	(1) ID / (1) PWR w LED / (1) RST	
	LEDs	(1) HDD / (1) ID / (2) LAN / (1) System Event	
External Drive Bay	I/O Ports	(2) USB 3.0 ports + (1) RJ-45 / (1) COM Port / (1) VGA port / (4) Standalone RJ-45	
	Q'ty / Type	(2) 2.5" Hot-Swap NVMe HDD/SSDs / (8) 3.5" Hot-swap HDD/SSDs	
	HDD backplane support	SAS 12Gb/s /SATA 6Gb/s /NVMe	
	Supported HDD Interface	(2) SATA 6Gb/s / NVMe / (8) SATA 6Gb/s / SAS 12Gb/s	
System Cooling Configuration	Notification	The SAS/SATA HDD backplane is connected to onboard SATA connection by default. Please contact Tyan technical support if a discrete SAS HBA/RAID adapter is required.	
	FAN	(2) 8038 exhausted fans module at rear / (3) easy-swap 12038 fans	
Power Supply	Type	ATX	
	Input Range	AC 100~240V/12~15A	
	Efficiency	80 plus Gold (200-240Vac, 2,000W) / 80 plus Platinum (100-240Vac, 1,500W)	
Processor	Output Watts	1,200 Watts (110-115Vac input) / 1,500 Watts (115-200Vac input) / 2,000 Watts (200-240Vac)	
	Q'ty / Socket Type	(1) AMD Socket SP5	
	Supported CPU Series	(1) AMD EPYC™ 9004 Series Processor	
	Thermal Design Power (TDP) wattage	Max up to 320W (cTDP)	
Memory	Supported DIMM Qty	(8) DIMM slots	
	DIMM Type / Speed	RDDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC / LRDDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC	
	Capacity	Up to 2,048GB RDIMM / 3DS RDIMM DDR5 4800	
	Memory channel	8 Channels per CPU	
Expansion Slots	Memory voltage	1.1V	
	PCIe Pre-installed TYAN Riser Card (PCIe Gen.4)	(5) PCIe Gen.5 x16 slot	
LAN	Port Q'ty	(2) 10GbE ports + (2) GbE ports + (1) GbE dedicated for IPMI	
	Controller	Intel I210-AT / Intel X710-AT2	
	PHY	Realtek RTL8211F	
Storage	SATA	Connector	(10) SATA
		Controller	Direct from AMD EPYC CPU
		Speed	6Gb/s
		RAID	N/A
NVMe	Connector(M.2)	(2) 22110/2280 (by PCIe Gen.4 interface)	
	Connector(U.2)	(2) 2.5"NVMe SSD	
Graphic	Connector type	D-Sub 15-pin	
	Resolution	Up to 1920x1200	
	Chipset	Aspeed AST2600	

Input/Output	USB	(2) USB3.0 ports (@ rear)
	VGA	(1) D-Sub 15-pin port
	RJ-45	(2) 10GbE ports + (2) GbE ports + (1) dedicated GbE for IPMI
TPM (Optional)	COM	(1) DB-9 COM port
	TPM Support Interface	Please refer to our TPM supported list. SPI
System Monitoring	Chipset	Aspeed AST2600
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & memory & system environment
	LED (On system front panel)	Over temperature warning indicator / Over voltage warning indicator
Server Management	Others	Watchdog timer support
	Onboard Chipset	Onboard Aspeed AST2600
	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
BIOS	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) /10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 256MB
Operating System	Feature	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.0/PnP/Wake on LAN / ACPI sleeping states S0, S5
	OS supported list	Please refer to our AVL support lists.
Regulation	FCC (SDoC)	Class A
	CE (DoC)	Class A
	RCM	Class A
	VCCI	Class A
Operating Environment	C-Tick	Class A
	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)
	Non-operating Temp.	-40° C ~ 70° C (-40° F ~ 158° F)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C
	RoHS 6/6 Complaint	Yes

(Specifications are subject to change without notice. Items pictured may only be representative.)

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# Transport HX FT65T-B8050

B8050F65TV8E2H-N

# TYAN

## Specifications

### Top View



System	Form Factor	4U Tower	
	Chassis Name	FT65T	
	Dimension (D x W x H)	25.5" x 16.8" x 6.9" (650 x 427 x 176mm)	
Front Panel	Motherboard	S8050GM2NE	
	Buttons	(1) ID / (1) PWR w/ LED / (1) RST	
	LEDs	(1) HDD / (1) ID / (2) LAN / (1) System Event	
	I/O Ports	(2) USB 3.0 ports + (1) RJ-45 / (1) COM Port / (1) VGA port / (2) Standalone RJ-45	
External Drive Bay	Q'ty / Type	(2) 2.5" Hot-Swap NVMe HDD/SSDs / (8) 3.5" Hot-swap HDD/SSDs	
	HDD backplane support	SAS 12Gb/s /SATA 6Gb/s /NVMe	
	Supported HDD Interface	(2) SATA 6Gb/s / NVMe / (8) SATA 6Gb/s / SAS 12Gb/s	
System Cooling Configuration	Notification	The SAS/SATA HDD backplane is connected to onboard SATA connection by default. Please contact Tyan technical support if a discrete SAS HBA/RAID adapter is required.	
	FAN	(2) 8038 exhausted fans module at rear / (3) easy-swap 12038 fans	
Power Supply	Type	ATX	
	Input Range	AC 100~240V/12~15A	
	Efficiency	80 plus Gold (200-240Vac, 2,000W) / 80 plus Platinum (100-240Vac, 1,500W)	
	Output Watts	1,200 Watts (110-115Vac input) / 1,500 Watts (115-200Vac input) / 2,000 Watts (200-240Vac)	
Processor	Q'ty / Socket Type	(1) AMD Socket SP5	
	Supported CPU Series	(1) AMD EPYC™ 9004 Series Processor	
	Thermal Design Power (TDP) wattage	Max up to 320W (cTDP)	
Memory	Supported DIMM Qty	(8) DIMM slots	
	DIMM Type / Speed	RDDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC / LRDDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC	
	Capacity	Up to 2,048GB RDIMM / 3DS RDIMM DDR5 4800	
	Memory channel	8 Channels per CPU	
	Memory voltage	1.1V	
Expansion Slots	PCIe	(5) PCIe Gen.5 x16 slot	
	Pre-installed TYAN Riser Card (PCIe Gen.4)		
LAN	Port Q'ty	(2) GbE ports + (1) GbE dedicated for IPMI	
	Controller	Intel I210-AT	
	PHY	Realtek RTL8211F	
Storage	SATA	Connector	(10) SATA
		Controller	Direct from AMD EPYC CPU
		Speed	6Gb/s
	RAID	N/A	
	NVMe	Connector(M.2)	(2) 22110/2280 (by PCIe Gen.4 interface)
Connector(U.2)		(2) 2.5"NVMe SSD	
Graphic	Connector type	D-Sub 15-pin	
	Resolution	Up to 1920x1200	
	Chipset	Aspeed AST2600	

Input /Output	USB	(2) USB3.0 ports (@ rear)
	VGA	(1) D-Sub 15-pin port
	RJ-45	(2) GbE ports + (1) dedicated GbE for IPMI
TPM (Optional)	COM	(1) DB-9 COM port
	Interface	Please refer to our TPM supported list.
System Monitoring	Chipset	Aspeed AST2600
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & memory & system environment
	LED (On system front panel)	Over temperature warning indicator / Over voltage warning indicator
Server Management	Others	Watchdog timer support
	Onboard Chipset	Onboard Aspeed AST2600
	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
BIOS	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) /10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 256MB
Operating System	Feature	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.0/PnP/Wake on LAN / ACPI sleeping states S0, S5
	OS supported list	Please refer to our AVL support lists.
Regulation	FCC (SDoC)	Class A
	CE (DoC)	Class A
	RCM	Class A
	VCCI	Class A
Operating Environment	C-Tick	Class A
	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C
	RoHS 6/6 Compliant	Yes

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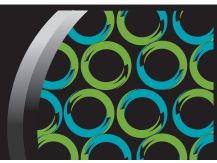
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B8050F65TV8E2H-G

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## Specifications

### Top View

**80 PLUS PLATINUM** **80 PLUS GOLD**  
**ATX PSU,**  
 80 plus Platinum (100-240Vac, 1,500W)  
 80 plus Gold (200-240Vac, 2,000W)

**S8050GM4NE-2T Motherboard**  
 (1) AMD EPYC™ 9004 Series Processor  
 (8) DIMM slots supporting  
 (2) 10GbE ports + (2) GbE ports +  
 (1) dedicated GbE for IPMI



**Front panel board**  
 M1713G24-FPB

**HDD Backplane**  
 M1318T65-BP12E-2

**System Fan**  
 (3) 12038 fans

**HDD Backplane**  
 M1309F65T-BP12-8

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	Chassis Name	FT65T
Front Panel	Dimension (D x W x H)	25.5" x 16.8" x 6.9" (650 x 427 x 176mm)
	Motherboard	S8050GM2NE
External Drive Bay	Buttons	(1) ID / (1) PWR w/ LED / (1) RST
	LEDs	(1) HDD / (1) ID / (2) LAN / (1) System Event
System Cooling Configuration	I/O Ports	(2) USB 3.0 ports + (1) RJ-45 / (1) COM Port / (1) VGA port / (2) Standalone RJ-45
	FAN	(3) easy-swap 12038 fans
Power Supply	Q'ty / Type	(2) 2.5" Hot-Swap NVMe HDD/SSDs / (8) 3.5" Hot-swap HDD/SSDs
	HDD backplane support	SAS 12Gb/s / SATA 6Gb/s / NVMe
Processor	Supported HDD Interface	(2) SATA 6Gb/s / NVMe / (8) SATA 6Gb/s / SAS 12Gb/s
	Notification	The SAS/SATA HDD backplane is connected to onboard SATA connection by default. Please contact Tyan technical support if a discrete SAS HBA/RAID adapter is required.
Memory	Type	ATX
	Input Range	AC 100~240V/12~15A
Expansion Slots	Efficiency	80 plus Gold (200-240Vac, 2,000W) / 80 plus Platinum (100-240Vac, 1,500W)
	Output Watts	1,200 Watts (110-115Vac input) / 1,500 Watts (115-200Vac input) / 2,000 Watts (200-240Vac)
LAN	Q'ty / Socket Type	(1) AMD Socket SP5
	Supported CPU Series	(1) AMD EPYC™ 9004 Series Processor
Storage	Thermal Design Power (TDP) wattage	Max up to 320W (cTDP)
	Supported DIMM Qty	(8) DIMM slots
Graphic	DIMM Type / Speed	RDDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC / LRDDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC
	Capacity	Up to 2,048GB RDIMM / 3DS RDIMM DDR5 4800
SATA	Memory channel	8 Channels per CPU
	Memory voltage	1.1V
NVMe	PCIe	(5) PCIe Gen.5 x16 slot
	Pre-installed TYAN Riser Card (PCIe Gen.4)	
Port Q'ty	Port Q'ty	(2) GbE ports + (1) GbE dedicated for IPMI
	Controller	Intel I210-AT
PHY	PHY	Realtek RTL8211F
	Connector	(10) SATA
Controller	Controller	Direct from AMD EPYC CPU
	Speed	6Gb/s
RAID	RAID	N/A
	Connector(M.2)	(2) 22110/2280 (by PCIe Gen.4 interface)
Connector(U.2)	Connector(U.2)	(2) 2.5"NVMe SSD
	Connector type	D-Sub 15-pin
Resolution	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2600

Input /Output	USB	(2) USB3.0 ports (@ rear)
	VGA	(1) D-Sub 15-pin port
TPM (Optional)	RJ-45	(2) GbE ports + (1) dedicated GbE for IPMI
	COM	(1) DB-9 COM port
System Monitoring	TPM Support Interface	Please refer to our TPM supported list. SPI
	Chipset	Aspeed AST2600
Server Management	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & memory & system environment
BIOS	LED (On system front panel)	Over temperature warning indicator / Over voltage warning indicator
	Others	Watchdog timer support
Operating System	Onboard Chipset	Onboard Aspeed AST2600
	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
Regulation	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) /10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 256MB
Operating Environment	Feature	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.0/PnP/Wake on LAN / ACPI sleeping states S0, S5
	OS supported list	Please refer to our AVL support lists.
RoHS	FCC (SDoC)	Class A
	CE (DoC)	Class A
RoHS	RCM	Class A
	VCCI	Class A
RoHS	C-Tick	Class A
	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)
RoHS	Non-operating Temp.	-40° C ~ 70° C (-40° F ~ 158° F)
	In/Non-operating Humidity	90%, non-condensing at 35° C
RoHS	RoHS 6/6 Complaint	Yes

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