

# Micro Thermo Technologies™ Alliance Data Logger



## Key Features:

- Intel® Core™ i5 1.9 GHz
- 4 GB DDR3L (1600 MHz) RAM
- 1 x SATA 2.5" 128GB SSD,  
1 x Internal mSATA 128GB  
SSD for redundancy
- VESA & DIN Rail Mounting
- Supports ports up to:  
2 x GbE Ethernet  
2 x USB 3.0  
4 x USB 2.0
- Lockable DC input jack



## Product Overview:

The Micro Thermo Technologies Data Logger is an integral part of the MT Alliance™ system. The data logger is the repository for up to 5 years of data and provides local access to the Alliance system as well as providing remote access for monitoring, troubleshooting, and enterprise data collection to the internet. The Data Logger is fanless for quiet operation, and contains no moving parts (solid state drives) for reliable operation under harsh conditions. The Data Logger also supports local keyboard, mouse and monitor connections.



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# Specification Data:

<b>Processor System</b>	CPU	Intel i5-4300 Core Duo
	Max. Speed	1.9 GHz (Up to 2.9 GHz w/ Turbo Boost 2.0 enabled)
	L3 Cache	3MB
	BIOS	AMI EFI 64Mbit
<b>Memory</b>	Technology	DDR3L 1600MHz
	Max. Capacity	8GB
	Socket	1 x 204-pin SO-DIMM
<b>Graphics</b>	Chipset	Intel GT2-4400 Graphics
	Graphic Engine	DirectX11.1, OpenGL 4.0, and Open CL 1.2 Full AVC/VC1/MPEG2 HW Decode
	VGA	Up to 1920 x 1200 at 60 Hz
	HDMI	Lockable HDMI connector, up to 4096 x 2304 at 24 Hz (Lockable HDMI cable optional)
	LAN1	10/100/1000 Mbps Intel I218 GbE, supports Wake On Lan
<b>Ethernet</b>	LAN2	10/100/1000 Mbps Intel I210 GbE, supports Wake On Lan
	Interface	Realtek ALC888S, High Definition Audio (HD), Line-In, Line-Out, Mic-In
<b>Audio</b>	Serial Ports	1 x RS-232 & 2 x RS-232/422/485 (BIOS Selectable)
	USB Interface	2 x USB 3.0 ports and 4 x USB 2.0 ports
<b>I/O Interface</b>	2.5" Drive Bay	128GB SATA 2.5" SSD
	mSATA	128GB mSATA SSD for seamless backup
<b>Storage</b>	Microsoft Windows	Windows 7 Embedded
<b>Software Support</b>	Power Type	ATX/AT
	Power Input Voltage	12 V <sub>DC</sub>
<b>Power Requirement</b>	Construction	Aluminum housing
	Mounting	Desk/Wall Mounting, VESA Mounting & DIN-Rail Mounting
<b>Mechanical</b>	Dimensions (W x H x D)	223.0 x 46.6 x 133.0 mm (8.69" x 1.81" x 5.18")
	Operating Temperature	-20 ~ 60°C (-4 ~ 140°F) with 0.7m/s air flow
<b>Environment</b>	Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
	Relative Humidity	95% @ 40°C (non-condensing)
	Vibration During Operation	5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.
	Shock During Operation	50 G, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC Class A, CCC, BSMI
<b>Regulation</b>	Safety Certifications	UL, CCC, BSMI

Specifications are for reference only and subject to change without notice. For the latest official specifications, please contact your Sales Engineer.

## External I/O Mechanical Layout/Drawing

