

RUGGED T1000



Industrial vehicle & outdoor PC

The RUGGED T1000 is an industrial Mini-PC from spo-comm, which can be used in various application areas thanks to its numerous features and expansion options. The extended temperature range of -40°C to +70°C, a wide range power input of 9 - 48V and the passively cooled housing ensure that the Mini-PC feels at home not only outdoors but also in the vehicle sector.

Technical Data

System

CPU	Intel® Core i5-10500TE (FCLGA1200, 6 cores)
CHIPSET	Intel® Q470E
GPU	NVIDIA® Quadro® T1000 Mobile Intel® UHD Graphics 630
RAM	16 GB SO-DDR4 (optionally up to 64GB)
SSD / HDD	512 GB M.2 PCIe 3.0 NVMe (optional up to 1TB) 2 x 2.5" SATA3 SSD/HDD

I/Os

Front	8 x LAN RJ45 GbE (Intel® i210-AT) 2 x HDMI 2.0b // 4096x2160@60Hz (MXM Graphics) 2 x SIM Card Socket 2 x 2.5" Drive Bay for HDD / SSD (RAID 0,1,5)
Back	3 x Audio (Mic In, Line Out, Line In) 3 x DP 1.2 // 4096x2340@60Hz (Intel® GPU) 4 x USB 3.2 Gen1 Type A 2 x LAN RJ 45 GbE (Intel® i210-AT + i219LM) 3 x COM RS 232/422/485 (CAN optional) 1 x GPIO (8 x DI & 4 x DO; COM optional) 1 x DC-IN Phoenix

Environment / Mass

Dimensions (W x D x H)	260mm x 250mm x 95mm
Ambient temperature (operation)	-40°-70°C
Cooling	passive at 0.6 m/s air flow rate
Idle power consumption in W	28
Mounting bracket	Wall bracket (included)

Extensions

M.2	KeyM 2280 (occupied) KeyB 3042 KeyA-E – 2230
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Extensions

mPCIe	3 x
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Miscellaneous

Operating system	Windows 10 / 11 / Linux
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PSU	optional; 9V – 48V DC power input
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Standards & Certificates	CE, FCC Class A, E-Mark, ECE R118, EN 50155, EN 45545-2 R25, MIL-STD-810G
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Special features	With multi-GPU operation, the max. independent resolution is 1920x1200.
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Class A warning	The device is intended for use in industrial environments. Operation of this device may cause radio interference in residential areas.
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Warning for 802.11a use	If you want to use the WLAN module according to 802.11a in the 5 GHz range: Use in the 5150 MHz – 5350 MHz frequency range is only permitted indoors!
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