



TR-1000

1U RACKMOUNT TEMPEST PC

FEATURES INCLUDE:

- 6th Generation Intel Core i3 CPU
- DDR4 Memory
- 90 to 264V AC Power Input Range
- MIL-STD-810G Shock & Vibration
- EN 60950-2006 +A2:2103 Safety
- Designed to meet Tempest SDIP 27 Level B

OVERVIEW:

Steatite's latest generation, high performance rack mount computer, utilising our extensive experience of computing technology for military, defence and security applications.

Designed to meet TEMPEST standards SDIP 27 (Level B), this small 1U form factor encompasses a powerful specification that ensures protection against unintended electromagnetic emission.

SPECIFICATION

CPU	6th Generation Intel Core i3 Processor (2.7GHz)
Memory	8GB DDR4 Memory
Storage	128GB SSD
Optical Drive	DVD RW Drive (Behind Screened Access Panel)
I/O Interface	Mains Input (IEC 60320 C14) M6 Earth Stud 2 x USB 2.0 (Type A Connectors) VGA (15 Way High Density D Socket) 2 x LAN (RJ-45 Sockets—10/100/1000)
Front Panel Controls	Power Button (Illuminated) Reset Switch
Power Input Range	90 - 264V AC, 3 / 1.5A, 47 - 63Hz
Power Consumption	Idle (Desktop): 35W; 100% CPU Load; 56W Max
Dimensions (D x W x H)	530mm x 430.5mm x 43.66mm (Excluding Handles)
Weight	Approximately 5.6kg
Safety	BS EN 60950-2006 +A2:2013



TR-1000-DATASHEET-REV1
Technical Specifications quoted are verified but do not indicate the maximum performance limitations of the equipment. Specifications are subject to change without notice. E & OE Issue A

Environmental	
Packaged	-10°C to +70°C up to 95% RH
Operational	0°C to +50°C, 30% - 75% RH
Pressure	Operational 80mbar Above Standard Atmospheric Pressure

Vibration	
In Accordance With MIL-STD 810G Method 514.7; 4.5.2 Procedure 1 - General Vibration	
Packaged	5Hz to 150Hz, Lesser of +/-6mm or +/-2g, 3 Mutually Perpendicular Axes, 1 Octave / Minute, 2 Hours In Each Axis.
Operational	5Hz to 33Hz, 0.125mm Peak, 3 Mutually Perpendicular Axes, 1 Octave / Minute, 2 Hours In Each Axis.

Shock	
In Accordance With MIL-STD 810G Method 516.7	
Operational	Half-sine, 15g, 25ms, 3 shocks in each direction of 3 mutually perpendicular axes
Survival (Operate After)	Half-sine, 20g, 23ms, 3 shocks in each direction of 3 mutually perpendicular axes

Electro-Magnetic Compatibility	
Emissions	Conducted Emissions EN55032, A1, A2, Class B Radiated Emissions EN55032, A1, A2, Class B
Immunity	Electrostatic Discharge Immunity EN61000-4-2 Radiated RF Immunity EN61000-4-3 Transient Immunity EN61000-4-4 Surges EN61000-4-5 Conducted Immunity EN61000-4-6 AC Voltage Dips EN61000-4-11 Mains Harmonics EN61000-3-2
TEMPEST	Products from this range have been designed to meet SDIP 27 Level B.

Order Info / Part Number	
100317-2-000	1U RACKMOUNT TEMPEST PC

