

# 19"/2® Storage Computer ST301



## Storage computer in 19"/2 form factor

The 19"/2 Storage Computer ST301 combines raid capability over several disks together with high speed output at 10Gb.

6 HDD slots for SATA HDD (rotating or SSD)

### Raid levels:

Raid 0

Raid 1

Raid 10

### Flexible connectivity

The ST301 houses 2 x LAN Gbit copper ports as well as 1 x LAN 10 Gbit fiber port.

### Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and stock spare parts for 5 years end-of-life.

# 19"/2 Storage Computer ST301

## Technical Specification

|                            |  |
|----------------------------|--|
| CPU                        | Intel Core i7-3517UE Max 2.8 GHz<br>4 MB Cache, 2 Cores, 4 Threads   |
| Graphics                   | Intel HD4000 Graphics  |
| Resolution                 | VGA: 2048 x 1536   |
| RAM                        | Maximum 16 GB RAM DDR3   |
| Storage                    | 6 HDD slots for SATA HDD<br>(rotating or SSD)  |
| Power Consumption          | Max 200W   |
| Transient power protection | Designed to meet MIL-STD-1275D   |
| Case                       | Aluminium  |
| Dimensions                 | 220 x 420 x 88 mm (W x D x H)  |
| Weight                     | ≤ 9 kg   |
| Certifications             | Designed to meet IP54,<br>MIL-STD-810F, MIL-STD-461F and MIL-STD-1275D   |
| Other                      | No fans  |
| Interfaces (back)          | 1x DC-in 20.5-32.2V<br>2x LAN 10 Gbit fiber (Tyco PRO BEAM® mini)<br>1x Service port (Binder)<br>1x LAN IPMI copper (MightyMouse)<br>2x LAN Gbit copper (MightyMouse)<br>1x Serial console (MightyMouse)<br>1x eSATA interface (I/O)<br>2x USB 2.0 (38999)<br>1x VGA (38999) |

\*Contact MilDef for full specifications of MIL-STD-810G and MIL-STD-461F

Designed to meet:

| MIL-STD-810F  | Operating  | Storage  |
|---|--|--|
| Altitude<br>Method 500.4,<br>(procedure II, III)                    | 4572 (15000 ft)  | Rapid<br>decompression<br>12180m (40000 ft)                  |
| Humidity<br>Method 507.4,<br>(procedure I)                          | Five 48 h test<br>cycles                                   | -  |
| Shock<br>Method 516.5,<br>(procedure I, IV)                         | 40 G, 11 ms<br>(Terminal-peak<br>saw tooth shock<br>pulse) | 122 cm (26 drops)*   |
| Salt fog<br>Method 509.4,<br>(Procedure I)                          | -  | Salt concentration of<br>5% +-1% (48h wet<br>+48h dry/cycle) |
| Temperature<br>Method 501.4 &<br>Method 502.4,<br>(procedure I, II) | -40 °C to 55 °C<br>(-40 °F to +131 °F)                     | -40 °C to 70 °C  |
| Temperature shock<br>Method 503.4<br>(procedure I)                  | -40 °C ~ +55 °C<br>(-40 °F to +131 °F)                     | -  |
| Vibration<br>Method 514.5<br>- Category 2*                          | -  | ✓  |
| - Category 14   | ✓  | -  |
| - Category 20 a & b   | ✓  | -  |

Designed to meet:

| MIL-STD-461F                  | Limitation                      | Threshold          |
|-------------------------------|---------------------------------|--------------------|
| EMI radiated<br>Method RE102  | 10 kHz to 18 GHz                | Navy Mobile & Army |
| EMI radiated<br>Method RS103  | 2 MHz to 1 GHz                  | Army               |
| EMI conducted<br>Method CE102 | 10 kHz to 10 Mhz                | Basic Curve        |
| EMI conducted<br>Method CS101 | 30Hz to 150 kHz                 | Curve #1           |
| EMI conducted<br>Method CS114 | 10 kHz to 200 MHz               | Army               |
| EMI conducted<br>Method CS115 | Tested according to<br>standard | Army               |
| EMI conducted<br>Method CS116 | 10 kHz to 100 MHz               | Army               |

