

CERTIFICATE OF COMPLIANCE
Certification Number : ESL105824-C810H

Company: Getac Inc.

Equipment Tested: Getac A140 Rugged Tablet Computer

Test Standard: MIL-STD-810H

Testing Completed: Jan 2017 / Oct 2019

Details: This is to certify that the following environmental tests have been performed on the **Getac A140 Rugged Tablet Computer** and found to be in compliance with the requirements and Procedure of **MIL-STD-810H** detailed in the following summary table.

No evidence of functional failure was observed during testing.

All calibrated Test equipment utilized during testing is maintained in a current state of calibration per the requirements of ISO/IEC 17025:2005.

For further test details please reference the Eurofins Met Labs test report, ESL105824-MIL.



Johnnie Evans
Manager, Environmental Laboratory
MET Laboratories, Inc.

10/29/19
Date

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The table below is to show that the following environmental testing was performed on the **Getac A140 Rugged Tablet Computer** and is in compliance with the requirements of MIL-STD-810H below;

| Test | Procedure Specification | MIL-STD-810H Reference | Pass/Fail |
|--|--|--|-------------------|
| Low Pressure (Altitude) - Storage/Air Transport | Non-operating: 40,000ft (18.8kPa) with altitude change rate 2,000 ft/min. | Method 500.6 Procedure I | Pass ¹ |
| Low Pressure (altitude) - operation/air carriage | Operating: 15,000ft (57.2kPa) with altitude change rate 2,000 ft / min | Method 500.6 Procedure II | Pass ¹ |
| High Temperature-Storage | Seven 24 hour cycles of 33-71°C (91– 160°F) (Non-operating) | Method 501.7 Procedure I Induced A1 Hot Dry | Pass ¹ |
| High Temperature-Operation | 72 hours constant temperature exposure 63°C (145°F) (Operating) | Method 501.7 Procedure II | Pass ² |
| Low Temperature-Storage | 72 hours constant temperature exposure -51.1° C (-60° F) | Method 502.7 Procedure I, Induced (storage and transit) C3 - Severe Cold | Pass ¹ |
| Low Temperature-Operation | 72 hours constant temperature exposure -29°C (-20° F) | Method 502.7 Procedure II | Pass ² |
| Temperature Shock | Multi-cycle shocks from constant extreme temperature: - 51.1°C~71°C (-60° F~160° F), temperature shock non-operating, three cycles | Method 503.7 Procedure I -C | Pass ¹ |
| Blowing rain - Operation | Blowing rain- 5.8in/hr rain, 70mph wind, 30 minutes per surface | Method 506.6 Procedure I | Pass ¹ |
| Rain Drip | Rain Drip, 15 minute exposure (280L/m2/hr) | Method 506.6 Procedure III | Pass ¹ |
| Humidity- Aggravated | Ten 24-hour temperature cycles between 30°C and 60°C with relative humidity maintained at 95% RH non-operating mode | Method 507.6 Procedure II | Pass ¹ |
| Sand and dust: Blowing dust | Dust resistance using silica flour with 6 hours at 23°C and an additional 6 hours at 63°C | Method 510.7 Procedure I | Pass ² |
| Sand and dust: blowing sand | Blowing sand with a sand concentration of 2.2+-0.5g/m ³ at 63°C | Method 510.7 Procedure II | Pass ² |
| Explosive Atmosphere | Operating for altitude 20,000 ft and temperature of 63°C (145°F) | Method 511.7 Procedure I | Pass ² |
| Vibration- General Vibration | Under fig 514.8 E-1 General min. integrity exposure for non-operating | Method 514.8, Procedure I, Category 24 | Pass ¹ |
| Vibration- General Vibration | Category 4, typical mission/field transportation scenario, common carrier Figure 514.8 C-2 1hr/ axis (transportation) | Method 514.8, Procedure I Category 4 | Pass ¹ |
| Vibration- General Vibration | Category 20, Ground vehicles - Ground mobile, composite wheeled vehicles, figure 514.8C-6, 2hr/ axis (Transportation) | Method 514.8 Procedure I Category 20 | Pass ² |
| Shock- Functional shock | 40g, 11ms , Terminal Saw tooth, Operating | Method 516.8 Procedure I | Pass ¹ |
| Shock- Functional shock | Peak Acceleration of 75g's, Effective Shock duration of 8-13ms, and cross-over frequency of 80Hz | Method 516.8 Procedure I | Pass ¹ |
| Shock: Transit Drop | All drops performed over one unit. 26 total drops from 48 in height, free drop onto 2in of plywood. | Method 516.8 Procedure IV | Pass ¹ |
| Shock: Transit Drop | All drops performed over one unit. 26 total drops from 72 in height, free drop onto 2in of plywood. | Method 516.8 Procedure IV | Pass ¹ |
| Freeze / Thaw | Rapid Temperature change for 3 cycles | Method 524.1 Procedure III | Pass ¹ |

Note : Originally tested under MET JOB# ¹ESL93095-C810G
Originally tested under MET JOB# ²ESL105315-C810G

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