



Testing Summary

Getac ZX-10 Tablet Docking Station

(7160-1675-00, 7160-1675-03)

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: December, 2021	Getac Developmental Testing Specification per Figure 1. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). <ul style="list-style-type: none"> • Unit is unlocked • OEM provided operating conditions
Vibration – Operational RF Connection Test date: December, 2021	Getac Developmental Testing Specification per Figure 1. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). <ul style="list-style-type: none"> • Unit is unlocked • OEM provided operating conditions • Test is performed simultaneously with operational test. • Test is monitored to record any breaks in RF connectivity during vibration.
Vibration – Non-Operational (Minimum Integrity) Test date: December, 2021	MIL-STD-810H, Method 514.8, Category 24, per Figure 514.8E-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously (3 hours total). <ul style="list-style-type: none"> • Unit is unlocked • OEM provided operating conditions
Functional Shock - Non-Operational Test date: December, 2021	MIL-STD-810H, Method 516.8, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> • 20G, 11ms, terminal sawtooth • Unit is unlocked
Mechanical Shock Safety - Non-Operational Test date: December, 2021	MIL-STD-810H, Method 516.8, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses total. <ul style="list-style-type: none"> • 40G, 11ms half sine • Unit is unlocked
Shock – Bump Test Test date: December, 2021	Getac Developmental Testing Specification Rev C. IEC 60068-2-27:2008. 1000 positive and negative pulses in the vertical axis, 2000 total. <ul style="list-style-type: none"> • 25G, 6ms half sine • Unit is unlocked

An ISO 9001:2015 certified company



Cycle Testing – Non-Operational Test date: February, 2022	<ul style="list-style-type: none"> 30,000 cycles of the docking connector, latching and locking mechanisms
Electrostatic Discharge – Operational Test date: January, 2022	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge

Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Humidity Test date: December, 2021	MIL-STD 810G, Method 507.5, Procedure II, Aggravated, Table 507.5 <ul style="list-style-type: none"> Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.
Thermal Shock Test date: December, 2021	MIL-STD 810G, Method 503.5, Procedure I-C <ul style="list-style-type: none"> Three, 2-hour cycles from -40°C to 85°C to -40°C Transition time one minute
Low Temperature: Storage Test date: December, 2021	MIL-STD 810G, Method 502.5, Procedure I <ul style="list-style-type: none"> -40°C Non-Operating, 96-hour duration
Low Temperature: Operational Test date: December, 2021	MIL-STD 810G 501.5, Procedure II-Operation <ul style="list-style-type: none"> -21°C Operating, 96 hour duration
High Temperature: Operational Test date: December, 2021	MIL-STD 810G, Method 501.5, Procedure II <ul style="list-style-type: none"> 50°C Operating, 96-hour duration
High Temperature: Storage Test date: December, 2021	Getac Developmental Testing Specification <ul style="list-style-type: none"> Start Temp at 24°C, Ramp time to 85°C, 2 hours 85°C Non-Operating, 72-hour duration Ramp time to 24°C, 2 hours
Shock – Crash Hazard Test date: January, 2022	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> Unit is unlocked
E-Mark Test date: January, 2022	ECE R10 REV.6

An ISO 9001:2015 certified company



EMC Testing Test date: December, 2021	EN 55032:2015 <ul style="list-style-type: none">• CISPR 32 – Class B• FCC Part 15, Subpart B – Class B• ICES-003, Issue 7:2020 – Class B
EMC Testing Test date: December, 2021	EN 50498:2010

Other Certifications

Description
EN 50581:2012 RoHS2 Directive 2011/65/EU

An ISO 9001:2015 certified company