



Testing Summary Zebra 8" Tablet Docking Station

(7160-0861)

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: January, 2017	MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-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 • Reference Test Data from 7160-0860
Vibration – Non-Operational (Minimum Integrity) Test date: March, 2016	MIL-STD-810G, Method 514.6, Category 24, per Figure 514.6E-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously. <ul style="list-style-type: none"> • Unit is unlocked • Reference Test Data from 7160-0773
Vibration – Non-Operational Sinusoidal Test date: January, 2017	10-1000Hz Sine Sweep <ul style="list-style-type: none"> • Amplitude = 1g • Rate = 1 oct./min. • Reference Test Data from 7160-0860
Functional Shock - Non-Operational Test date: March, 2016	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> • 20G, 11ms half sine • Unit is unlocked • Reference Test Data from 7160-0773
Mechanical Shock Safety - Non-Operational Test date: March, 2016	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> • 40G, 11ms half sine • Unit is unlocked • Reference Test Data from 7160-0773
Cycle Testing – Non-Operational Test date: April, 2016	10,000 cycles of the docking connector, latching and locking mechanisms <ul style="list-style-type: none"> • Reference Test Data from 7160-0788
Electrostatic Discharge – Oper. Test date: January, 2017	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge <ul style="list-style-type: none"> • Reference Test Data from 7160-0860

An ISO 9001:2008 certified company

Gamber-Johnson LLC · 3001 Borham Avenue · Stevens Point, Wisconsin 54481
 PHONE: 1-715-344-3790 · FAX: 1-715-344-5209 · EMAIL: gamberj@gamberjohnson.com ·
www.gamberjohnson.com



Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Humidity Test date: April, 2016	MIL-STD 810G, Method 507.5, Procedure II, Aggravated, Table 507.5-IX <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. Reference Test Data from 7160-0773.
Low Temperature: Operational Test date: April, 2016	MIL-STD 810G, Method 502.5, Procedure II <ul style="list-style-type: none"> 0°C Operating, 24-hour duration Reference Test Data from 7160-0773.
Test date: April, 2016	MIL-STD 810G, Method 502.5, Procedure I <ul style="list-style-type: none"> -20°C Non-Operating, 24-hour duration Reference Test Data from 7160-0773.
High Temperature: Operational Test date: April, 2016	MIL-STD 810G, Method 501.5, Procedure II, Table 501.5-II, Induced Conditions <ul style="list-style-type: none"> Five 24-hour cycles, temperature varied from 30°C to 50°C to 30°C Reference Test Data from 7160-0773.
High Temperature: Storage Test date: April, 2016	MIL-STD 810G, Method 502.5, Procedure I, Table 502.5-III, Induced Conditions <ul style="list-style-type: none"> Seven 24-hour cycles, temperature varied from 33°C to 60°C to 33°C Reference Test Data from 7160-0773.
Shock – Crash Hazard Test date: April, 2016	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> Unit is unlocked Reference Test Data from 7160-0773.
EMC Testing Test date: March 2017	EN 50498:2010 <ul style="list-style-type: none"> Reference Test Data from 7160-0860
EMC Testing Test date: March 2017	EN 55032:2015 <ul style="list-style-type: none"> CISPR 32 – Class B FCC Part 15, Subpart B – Class B Reference Test Data from 7160-0860

Other Certifications

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

An ISO 9001:2008 certified company