

IMT Standards IMT Standards Oversight Committee Government of Alberta	Effective Date: 2013-12-01 Scheduled Review: 2020-04-04 Last Reviewed: 2019-04-04 Type: Technical
Standard number - A000038	
Notebook – Rugged – Tablet	
Category: Hardware Keywords: Notebook, Rugged	

Description of Standard

The standards below are for a Ruggedized Tablet configuration. The system is a multi-core, 64-bit processor based ruggedized tablet. This tablet is meant for tasks where mobility is required and it is expected to endure and operate in severe environmental conditions.

Standard Specification

REQUIRED STANDARD SPECIFICATIONS

The Rugged Tablet must support the following minimum standard specifications;

Operating System	<ul style="list-style-type: none"> • Windows 10
CPU, Memory and Storage	<ul style="list-style-type: none"> • Multi-Core Intel i5 vPro Processor <ul style="list-style-type: none"> ○ 2.3 GHz minimum • Memory - 8 GB • Internal hard disk minimum <ul style="list-style-type: none"> ○ 250 GB SSD with heater
Interface	<ul style="list-style-type: none"> • Minimum of 1 Universal Serial Bus (USB) port, with USB version 3.0 • HDMI (type A) • Docking Connector
Display	<ul style="list-style-type: none"> • Integrated display, with display viewable indoor and outdoor with LED Backlighting • Screen size; <ul style="list-style-type: none"> ○ Minimum 10" ○ Maximum 11" • Provide enhanced view ability in all lighting conditions including direct sunlight, due to special anti-reflective and anti-glare coatings applied to the panel <ul style="list-style-type: none"> ○ Integrated touch screen display, 800 nits

	<ul style="list-style-type: none"> • Glove touch capable screen • Screen resolution of 1920x1080
Graphics and Sound	<ul style="list-style-type: none"> • High definition audio • Integrated speaker • Integrated microphone • On-screen and button volume and mute controls
Camera	<ul style="list-style-type: none"> • 1080p webcam with microphone • 8MP rear camera with auto focus and LED light
Keyboard	<ul style="list-style-type: none"> • 10-point multi touch + digitizer screen • Integrated stylus holder • On-screen QWERTY keyboard
Power Supply	<ul style="list-style-type: none"> • Battery Life of minimum 14 hours or greater • AC adapter • Suspend/Resume function, hibernation, and standby
Communications	<ul style="list-style-type: none"> • Integrated 4G LTE mobile broadband • Wireless LAN (WLAN) card supporting 802.11a/b/g/n/ac • Bluetooth v4.0 or Greater • Dual high-gain antenna pass-through • Dedicated GPS
Durability	<ul style="list-style-type: none"> • Corner guards • Port covers • Independent 3rd party MIL-STD-810G certification specifying: <ul style="list-style-type: none"> ○ Ingress Protection rating: Dust and Water: IP65 ○ Storage temperature range: -50 degrees C to 70 degrees Celsius ○ Operating temperature range: -25 degrees Celsius to 60 degrees Celsius ○ Shock Transit Drop <ul style="list-style-type: none"> ○ At 4' ○ 26 drops at each height, non-operating ○ All 78 drops must be performed on the same unit • Must submit copy of certificate
Size	<ul style="list-style-type: none"> • Minimum 10.6" (L) x 7.4" (W) x 0.8" (H)
Weight	<ul style="list-style-type: none"> • Maximum weight of 2.5 lbs. with main battery
Security	<ul style="list-style-type: none"> • Password security • Security cable lock slot • Trusted Platform Module (TPM) security chip version 1.2 • Computrace theft protection agent in BIOS • Intel Anti-theft Technology

STANDARD OPTIONS

The Rugged Tablet may support the following standard options;

CPU, Memory and Storage	<ul style="list-style-type: none">• Memory - 64 GB with optional microSD Card
Power Supply	<ul style="list-style-type: none">• Car Adapter• Long Life Battery Pack
Durability	<ul style="list-style-type: none">• Protective carrying case with hand strap

Where to Apply This Standard

This applies to all Government of Alberta Ministries.

Authority and Exceptions

Internal Use Only

Supporting Documentation

Not applicable.

Owner

Service Alberta, Office of the Corporate CIO, Enterprise Operations and Infrastructure, Technical Solutions Architecture Team – Bundle 3 Oversight

Contact

GoA IMT Standards, imt.standards@gov.ab.ca

Additional Information

Audience	GOA
Source	Service Alberta, Office of the Corporate CIO, Enterprise Operations and Infrastructure, Technical Solutions Architecture Team
Sensitivity	Public
Proposed Date	2013-11-30
Proposed By	Service Alberta, Office of the Corporate CIO, Enterprise Operations and Infrastructure, Technical Solutions Architecture Team – Cody Sloat, Senior Oversight Analyst – 780-638-5979