

<p>IMT Standards</p> <p>IMT Standards Oversight Committee Government of Alberta</p>	<p>Effective Date: 2016-10-05 Scheduled Review: 2020-04-04 Last Reviewed: 2019-04-04</p> <p>Type: Technical</p>
<p>Standard number - A000069</p>	
<p>Notebook – Rugged – Detachable</p>	
<p>Category: Hardware Keywords: Tablet, Notebook, Rugged</p>	

Description of Standard

The standard below is for the selection of Ruggedized Detachable (2 in 1) configuration. The system is a multi-core, 64-bit processor based PC. This notebook is meant for tasks where mobility is required and it is expected to endure and operate in severe environmental conditions

Standard Specification

The Ruggedized detachable (2 in 1) must meet the *minimum* specifications listed below:

<p>Operating System</p>	<ul style="list-style-type: none"> • This device must support the following operating systems <ul style="list-style-type: none"> ○ Windows 10
<p>CPU, Memory, and Storage</p>	<ul style="list-style-type: none"> • Multi-Core mobile processor (CPU), Intel i5 Processor 2.3 GHz <ul style="list-style-type: none"> ○ vPro Support • Memory - 8 GB • Internal hard disk minimum <ul style="list-style-type: none"> ○ 250GB SSD with Heater
<p>Interface</p>	<ul style="list-style-type: none"> • Minimum of 1 Universal Serial Bus (USB) port, with USB version 3.0 • HDMI (type A) • Docking Connector
<p>Display</p>	<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 12" • 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 • Glove touch capable screen • Screen resolution of 1920x1200

Audio	<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
Keyboard Dock	<ul style="list-style-type: none"> • Minimum of 2 Universal Serial Bus (USB) port, with USB version 3.0 • Minimum of 1 Universal Serial Bus (USB) port, with USB version 2.0 • HDMI Type A • VGA D-sub 15-pin • 10/100/1000 Ethernet RJ-45
Power Supply	<ul style="list-style-type: none"> • Battery Life of minimum 10 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 with EDR (Enhanced Data Rates) and Class 1 (100 meter range) • 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 or Mil. Spec 810G Water Pressure Method 506.5 procedure I ○ Storage temperature range: -50 degrees Celsius 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', 5' tablet only ○ 26 drops at each height, non-operating ○ All drops must be performed on the same unit • Must submit a copy of the certificate
Size	<ul style="list-style-type: none"> • Minimum 10" (L) x 9" (W) x 0.5" (H)
Weight	<ul style="list-style-type: none"> • Maximum weight of 4.5 lbs. (tablet and keyboard)

Security	<ul style="list-style-type: none"> • Password security • Security cable lock slot • Trusted Platform Module (TPM) security chip version 1.2
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Standard Options

The Ruggedized detachable (2 in 1) may support the following standard options:

CPU, Memory, and Storage	<ul style="list-style-type: none"> • Memory – Up to 16 GB • Up to 512 GB Solid State Drive w/ Heaters
Power Supply	<ul style="list-style-type: none"> • Car Adapter • Long Life Battery Pack • 2nd Battery in Keyboard Dock
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.¹

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 at imt.standards@gov.ab.ca

¹ Ministries are defined as departments and exclude agencies, boards and commissions that do not report through the department unless the Minister responsible for administering the department specifically identifies an agency, board or commission to be within scope.

Additional Information

Audience	GoA
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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