

IMT Standards IMT Standards Oversight Committee Government of Alberta	Effective Date: 2019-01-31 Scheduled Review: 2020-01-01 Last Reviewed: 2019-01-01
	Type: Technical
Standard number - A000028	
Notebook – Ultrabook	
Category: Hardware Keywords: Notebook, Ultrabook	

Description of Standard

The standard below outlines the Government of Alberta standard for a Notebook Ultrabook configuration. This notebook is meant for general office tasks where mobility is required but size and weight are a factor.

Standard Specification

The Notebook / Ultrabook must support the following minimum standard specifications:

System Requirements	<ul style="list-style-type: none"> • Comply with Energy Star and EPEAT Silver rating
Operating System	<ul style="list-style-type: none"> • This Notebook must support the following operating systems <ul style="list-style-type: none"> ○ Windows 10
CPU, Memory, and Storage	<ul style="list-style-type: none"> • Minimum 1.7Ghz quad-core <ul style="list-style-type: none"> ○ x64 (x86-64) compatible ○ vPro Support • Minimum 8 GB Ram • Hard Disk <ul style="list-style-type: none"> ○ Minimum 250 GB SSD
Peripheral Connections	<ul style="list-style-type: none"> • Universal Serial Bus (USB) ports <ul style="list-style-type: none"> ○ Minimum of 2 ports • Display port • Stereo headphone/mic jack • AC Power • RJ-45 modular connector
Display	<ul style="list-style-type: none"> • 12 to 13.5" diagonal anti-glare
Graphics and Sound	<ul style="list-style-type: none"> • Integrated HD graphics • Integrated sound card • Integrated stereo speakers • Integrated microphone.

Camera	<ul style="list-style-type: none"> • Integrated 720p Webcam
Keyboard	<ul style="list-style-type: none"> • Full sized, backlit keyboard • Dual point touchpad with scroll zone, two finger scrolling and zoom, and point stick
Power Supply	<ul style="list-style-type: none"> • Minimum 6 hour battery life • Power adapter must be included and work with 120V-240V at 50-60Hz
Communications	<ul style="list-style-type: none"> • Wireless LAN (WLAN) card supporting 802.11a/b/g/n/ac • Bluetooth v4 or greater. • Integrated 10/100/1000 network adapter
Dimensions	<ul style="list-style-type: none"> • Maximum 13" (L) x 9" (W) x 0.8" (H)
Docking Station	<ul style="list-style-type: none"> • Ability to add docking solution
Weight	<ul style="list-style-type: none"> • Maximum weight of 1.5 kg with main battery.
Security	<ul style="list-style-type: none"> • TPM 1.2 Embedded Security • Security lock and cable

Standard Options

The Notebook Ultrabook must support the following additional options:

Memory, and Storage	<ul style="list-style-type: none"> • Additional memory to upgrade to a maximum of 16 GB • Hard Disk – Up to 512 GB Solid State Drive
Peripheral Connections	<ul style="list-style-type: none"> • Wireless wheel mouse with USB compatibility • Keyboard with enhanced multimedia functionality and USB compatibility
Power	<ul style="list-style-type: none"> • Additional power adapter • Additional long life battery
Carrying Case	<ul style="list-style-type: none"> • Full brief-case style • Thin laptop only style
Docking Station	<ul style="list-style-type: none"> • Docking solution which meets the following specifications: <ul style="list-style-type: none"> ○ Integrated 10/100/1000 network adapter ○ Must include a separate power adapter ○ Must support dual monitors
Display	<ul style="list-style-type: none"> • 12 to 13.5" diagonal anti-glare touchscreen (2-1)

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

Contact

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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
Source	Service Alberta, Office of the Corporate CIO, Enterprise Operations and Infrastructure, Technical Solutions Architecture Team
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