

<b>IMT Standards</b>	<b>Effective Date: 2012-06-17</b>
<b>IMT Standards Oversight Committee Government of Alberta</b>	<b>Scheduled Review: 2019-08-23</b>
	<b>Last Reviewed: 2018-08-23</b>
<b>Type: Product</b>	
<b>Standard number – A000031</b>	
<b>Apple – MacBook Pro</b>	
<b>Category: Hardware</b>	
<b>Keywords: Notebook, Laptop, Lightweight, Apple, Mac</b>	

### Description of Standard

The standard below is for the selection of Apple MacBook Pro notebooks. The system is a high performance, multi-core based notebook. This notebook is meant for common to advanced office automation tasks where mobility is required.

### Standard Specification

The MacBook Pro must meet the *minimum* specifications listed below:

Processor	<ul style="list-style-type: none"> <li>2.3 GHz dual-core Intel Core i5 processor (Turbo Boost up to 3.6 GHz) with 64MB shared L3 cache</li> </ul>
Memory	<ul style="list-style-type: none"> <li>8GB of 2133 MHz LPDDR3 onboard memory</li> </ul>
Storage	<ul style="list-style-type: none"> <li>128GB SSD</li> </ul>
Peripheral connections	<ul style="list-style-type: none"> <li>Two Thunderbolt 2 ports (up to 20 Gbps)</li> <li>Two USB 3.1 ports (up to 10 Gbps)</li> <li>Headphone port</li> </ul>
Display	<ul style="list-style-type: none"> <li>13.3-inch (diagonal) LED-backlit display with IPS technology</li> <li>Minimum native resolution, 2560 by 1600 at 227 pixels per inch</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>Intel Iris Graphics 640</li> <li>Thunderbolt digital video input – native DisplayPort output over USB-C</li> <li>HDMI video output using adapters</li> </ul>
Camera	<ul style="list-style-type: none"> <li>720p FaceTime HD camera</li> </ul>
Audio	<ul style="list-style-type: none"> <li>Stereo speakers</li> <li>Dual microphones</li> <li>Headphone port <ul style="list-style-type: none"> <li>Support for Apple iPhone headset with remote and</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>microphone <ul style="list-style-type: none"> <li>○ Support for audio line out (digital/analog)</li> </ul> </li> </ul>
Keyboard and Trackpad	<ul style="list-style-type: none"> <li>• Full-size backlit keyboard with ambient light sensor</li> <li>• Multi-touch trackpad which supports scrolling, pinch, swipe, tap and drag capabilities</li> </ul>
Connectivity	<ul style="list-style-type: none"> <li>• 802.11ac Wi-Fi wireless networking</li> <li>• Bluetooth 4.2 wireless technology</li> </ul>
Battery	<ul style="list-style-type: none"> <li>• Up to 10 hours wireless web</li> <li>• Up to 30 days standby time</li> <li>• Built-in 54.5 watt-hour lithium-polymer battery</li> <li>• 61w USB-C Power adapter</li> </ul>
Unit weight	<ul style="list-style-type: none"> <li>• Weight &lt; 4.0 lbs.</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• Height &lt; 1.0 inch</li> <li>• Width &lt; 12 inches</li> </ul>
Environmental Requirements	<ul style="list-style-type: none"> <li>• Operating temperature: 10° to 35° C (50° to 95° F)</li> <li>• Storage temperature: -25° to 45° C (-13° to 113° F)</li> <li>• Relative humidity: 0% to 90% noncondensing</li> </ul>

### 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

### Contact

GoA IMT Standards at [imt.standards@gov.ab.ca](mailto:imt.standards@gov.ab.ca)

---

**Additional Information**

<b>Audience</b>	GOA
<b>Source</b>	Service Alberta, Office of the Corporate CIO, Enterprise Operations and Infrastructure, Technical Solutions Architecture Team
<b>Sensitivity</b>	Public
<b>Proposed Date</b>	2013-01-31
<b>Proposed By</b>	Service Alberta, Service Modernization – Christine Pastuzyk, Standards Architect – 780-422-8881