

IMT Standards IMT Standards Oversight Committee Government of Alberta	Effective Date: 2009-09-30 Scheduled Review: 2020-01-01 Last Reviewed: 2019-01-01 Type: Technical
Standard number - A000001	
Desktop – General	
Category: Hardware Keywords: Desktop	

Description of Standard

The standards below are for the selection of Desktop – General configuration. The system is a high performance, multi-core, 64-bit processor based PC. This PC is meant for common to advanced office automation tasks.

Standard Specification

The General Desktop must meet the *minimum* specifications listed below:

System Requirements	<ul style="list-style-type: none"> • Comply with Energy Star and EPEAT Silver rating
Form Factor	<ul style="list-style-type: none"> • Small Form Factor desktop
Operating System	<ul style="list-style-type: none"> • This desktop must support the following operating systems <ul style="list-style-type: none"> ○ Windows 10
CPU, Memory, and Storage	<ul style="list-style-type: none"> • Multi-Core Processor <ul style="list-style-type: none"> ○ Intel Q370 chipset ○ x64 (x86-64) compatible ○ Any Intel® Core™ i5 processor operating at 3.0 GHz or greater • Memory - 8 GB DDR4 2400 • Hard Disk <ul style="list-style-type: none"> ○ 250 GB ○ Solid State Disk – Non-NVME
Peripheral Connections	<ul style="list-style-type: none"> • Universal Serial Bus (USB) Ports <ul style="list-style-type: none"> ○ A minimum of 8 Universal Serial bus ○ With two accessible from front panel ○ Must support USB version 2.0 and 3.0, with a minimum of 3 ports supporting each USB Version • Integrated audio adapter with line out and microphone ports with front panel access

Display	<ul style="list-style-type: none"> integrated Intel HD Graphics with dual monitor support
Input Devices	<ul style="list-style-type: none"> QWERTY keyboard with adjustable tilt, spill resistant design, and Universal Serial Bus interface to PC Optical mouse with scroll - three button mouse where third button is mouse wheel
Communications	<ul style="list-style-type: none"> 10/100/1000 auto-sensing Ethernet network card with Wake-On-LAN (WOL) capability
Security	<ul style="list-style-type: none"> Trusted Platform Module (TPM) 2.0 Embedded Security

Standard Options

The General Desktop may support the following standard options:

Form Factor	<ul style="list-style-type: none"> Tower Unit instead of Small Form Factor desktop Ultra Small form factor
CPU, Memory, and Storage	<ul style="list-style-type: none"> Additional memory to upgrade to a maximum of 64 GB 250 GB NVME SSD Integrated DVDROM drive
Graphics	<ul style="list-style-type: none"> Discrete video card <ul style="list-style-type: none"> Supports resolution of 2560x1600 or greater Dual Digital Monitor Support DirectX 12 support PCI Express 2.0 support OpenGL 4.4 support 2 GB dedicated video memory Graphics Processing Unit with 900 MHz core clock speed or greater

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

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 administrating 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
Sensitivity	Unrestricted
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