

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 - A000002	
Desktop – Power	
Category: Hardware Keywords: Desktop, power	

Description of Standard

The standards below are for a Desktop – Power Configuration. The system is a high performance, i7, 64-bit processor based PC. This PC is meant for more resource intensive automation tasks.

Standard Specification

The Power 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 style case with support for two 3.5" internal hard drives and one 2.5 internal hard drive
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™ i7 operating at 3.4 GHz or greater • Memory – 16 GB DDR4-2400 • Hard disk <ul style="list-style-type: none"> ○ 250 GB ○ Solid State Disk – Non-NVME • Internal DVD+/-RW drive
Peripheral Connections	<ul style="list-style-type: none"> • USB Ports; <ul style="list-style-type: none"> ○ A minimum of 9 Universal Serial bus ports ○ 3 ports must be located on the front ○ Minimum of 6 ports support USB version 3.0

	<ul style="list-style-type: none"> ○ Remaining ports supporting USB version 2.0
Display	<ul style="list-style-type: none"> ● Integrated Intel HD graphics with dual digital 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 (USB) 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 Power Desktop may support the following standard options;

CPU, Memory, and Storage	<ul style="list-style-type: none"> ● Additional memory to upgrade to a maximum of 64 GB
Graphics	<ul style="list-style-type: none"> ● Advanced video card <ul style="list-style-type: none"> ○ Supports resolution of 2560x1600 or greater ○ DirectX 12 support ○ PCI Express 2.0 support ○ Dual Digital Monitor Support ○ OpenGL 4.4 support ○ 2048 MB dedicated video memory ○ Graphics Processing Unit with 902 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.

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.

Owner

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

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Additional Information

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