



BUSINESS OPTIMIZATION AND STANDARDS SPECIFICATION

Version 4.0

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Premier Networkx Business Optimization and Standards Specification

Introduction

STATEMENT OF PURPOSE

The purpose of this document is to outline the current business optimization standards for customers of Premier Networkx and narrowly define the hardware, software, and virtualization technologies that Premier Networkx has determined is best in class and congruent with a healthy network infrastructure.

This document is not intended to define every piece of hardware or software a customer may use, but to strictly define the general hardware/software that companies use that are in common with one another. For example, a standard will be specified for Microsoft Office products because most if not all clients use these products in some version or form, yet items like Adobe Photoshop or Autocad will not be defined as they are not in general use across most clients.

STRUCTURE

The standards and specifications detailed in this document are broken down into four main categories. Hardware, Software, Virtualization and Standards. The topics covered by each category are summarized below.

Section	Topics
Hardware	Desktop Laptop Server Storage Router/Firewall Switching Wireless Access Points Printers Telephony Mobile Phone
Software	Desktop Operating Systems Server Operating Systems Microsoft Office Products PDF Document Management Web Browser Anti-virus Endpoint Security VPN Cloud File Storage Email Server/Service
Virtualization	Hypervisor Tools
Backup and Disaster Recovery	BDR Hardware

	BDR Software Desktop/Laptop Backup Software Solution Office365 Backup
Telephony	Switching Handset Headset Gateway
Standards	

DESKTOP HARDWARE

Standard Specification

Manufacturer	Make	Model	Specification
Dell	Optiplex	SFF	i5, 16GB, 256GB SSD, 3yr Warranty

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Dell	Optiplex	SFF	i7 or i9, 16GB or 32GB, 512GB SSD	12/31/2024
Dell	Optiplex	Micro	i7 or i9, 16GB or 32GB, 512GB SSD	12/31/2024

LAPTOP HARDWARE

Standard Specification

Manufacturer	Make	Model	Specification
Dell	Latitude	3550	i5, 16GB, 256GB SSD, 14", 3yr Warranty

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Dell	Latitude	5550	i5 or i7, 16GB or 32GB, 512GB SSD	12/31/2024

SERVER HARDWARE

Standard Specification

Manufacturer	Make	Model	Specification
Dell	PowerEdge	T/R360, T/R650, T/R860	PERC/Dual PSU/iDRAC Enterprise 9

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Dell	PowerEdge	13 th Gen	Custom to Manufacturer Spec (cannot be below our standard)	12/31/24

*Standard configurations should include iDRAC Enterprise, RAID 0, other RAID levels will be evaluated on merit/need, NL-SAS drives. Small customers that require local servers are setup with a single Hyper-V or ESXi host with virtual machines based on their need.

STORAGE AREA NETWORK HARDWARE

Standard Specification

Manufacturer	Make	Model	Specification
Dell	PowerVault	ME5 Series	Xeon Processor, ME5012/5024/5084 Drive Bays

NETWORK ATTACHED STORAGE

Standard Specification

Manufacturer	Make	Model	Specification
Synology	NAS	DS224+	Two Bay
Synology	NAS	DS923+	Four Bay

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Synology	NAS	DS1621+	Six Bay	12/31/24

ROUTER/FIREWALL HARDWARE

Standard Specification

Manufacturer	Make	Model	Specification
SonicWall	TZ	TZ370	Single firewall with NSM and Advanced Security licensing.
SonicWall	NSA	NSA2700	Single firewall with NSM and Advanced Security licensing.

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
SonicWall	TZ	270, 470, 570, 670	Single firewall with NSM and Advanced Security licensing.	SW EOL Date
SonicWall	NSA	3700, 4700, 5700, 6700	Single firewall with NSM and Advanced Security licensing.	SW EOL Date
Fortigate			Inherited from other MSPs	
Cisco	Meraki		Current models	12/31/24
Watchguard			Inherited from other MSPs	
Sophos			Inherited from other MSPs	

*VPN site to site tunnels should be encrypted IPSEC/SHA256 with keys encrypted at 2048 minimum.

SWITCHING HARDWARE

Standard Specification

Manufacturer	Make	Model	Specification
Aruba	InstantOn		Full PoE
Cisco	Meraki		Full PoE

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
HPE	ProCurve			
Aruba	InstantOn		Half PoE, no PoE	
Other			Inherited from other MSPs	
UniFi			Inherited from other MSPs	
Cisco			Inherited from other MSPs	
Meraki			Inherited from other MSPs	
Netgear			Unmanaged switch	

WIRELESS ACCESS POINT HARDWARE

Standard Specification

Manufacturer	Make	Model	Specification
Aruba	InstantOn	AP22	Standard indoor AP

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Cisco	Meraki			
Unifi			Inherited from other MSPs	
Ruckus			Inherited from other MSPs	
Datto			Legacy APs	
SonicPoints			Legacy APs	

DESKTOP OPERATING SYSTEMS

Standard Specification

Manufacturer	Make	Model	Specification
Microsoft	Windows	11 Pro	23H2
Microsoft	Windows	10 Pro	22H2
Apple	Mac	14 Sonoma	14.6.1

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Apple	Mac	12 Monterey, 13 Ventura	12.7.6, 13.6.9	12/31/2024

SERVER OPERATING SYSTEMS

Standard Specification

Manufacturer	Make	Model	Specification
Microsoft	Windows	Server 2022	Any version

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Microsoft	Server	2019	Any Version	

*Virtualization operating systems will be specified in the virtualization section below.

ANTIVIRUS SOFTWARE

Standard Specification

Manufacturer	Make	Model	Specification
Webroot		Endpoint	AV

ENDPOINT SECURITY - CYBER SECURITY COMMITTEE

Standard Specification

Manufacturer	Make	Model	Specification
SentinelOne		Control or Complete	EDR

ENDPOINT ENCRYPTION

Standard Specification

Manufacturer	Make	Model	Specification
Bitlocker			

CLOUD FILE STORAGE

Standard Specification

Manufacturer	Make	Model	Specification
Microsoft			OneDrive

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
DropBox				
Google Drive				

EMAIL SERVER/SERVICE

Standard Specification

Manufacturer	Make	Model	Specification
Microsoft			Office 365

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Google			Apps for Business	

DESKTOP/LAPTOP BACKUP SOFTWARE SOLUTION

Standard Specification

Manufacturer	Make	Model	Specification
Cloudberry		MSP360	

Acceptable Specification

Manufacturer	Make	Model	Specification	End Date
Microsoft		OneDrive		

INTERNET CIRCUIT (SPEED)

Standard Specification

Type	Make	Speed	Specification
Fiber		500	Fiber

Acceptable Specification

Vendor	Make	Speed	Specification	End Date
Wow!			Fiber or Coax	
AT&T			Fiber	
Segra			Fiber	
Comcast			Fiber or Coax	
Uniti			Fiber	
Metro Fiber			Fiber	