

# Morningstar System Requirements

The following are the technical requirements and recommended settings for optimal performance of the Morningstar solutions below. Frame relay, reverse proxies, custom browsers, custom window management, or any other configuration not specified below may require additional customizations and may impact the performance.

## Morningstar® Advisor Workstation<sup>SM</sup>, Annuity Analyzer, Portfolio Builder, and Hypothetical Illustrator

Browser	Microsoft® Internet Explorer 11, Microsoft Edge, Mozilla Firefox latest version and Google Chrome™ latest version
Operating Systems	Windows® 7 Service Pack 1, or Windows® 8, Windows® 8 .1, Windows® 10
System	Computer with a 2.20 GHz processor or higher, 3GB or more RAM
Required Security Protocol	Morningstar Advisor Workstation requires Transport Layer Security (TLS), the encryption standard employed by most banks and credit card companies for transmission of data over the internet
Connection Speed	Minimum: Broadband internet connection, Recommended: 3 Mbps or higher
Monitor Resolution	Minimum: 1024 x 768 pixels. Recommended: 65,536 colors, small font settings
Printers	A color printer is recommended for printing graphs and reports with graphics. The “print background colors and images” setting on the Internet Options menu is recommended.
Third-party	Adobe® Acrobat® Reader® 11.0 or higher Microsoft Excel 2010 or higher

## Morningstar® Enterprise Components

Browser	Microsoft® Internet Explorer 11, Microsoft Edge, Mozilla Firefox latest version and Google Chrome™ latest version  <i>For legacy components (created before 2016):</i> Microsoft® Internet Explorer 8.0 or higher, Firefox® 3.5 or higher, Safari 5 or higher, Chrome
Operating Systems	Windows® 7 Service Pack 1, or Windows® 8, Windows® 8 .1, Windows® 10
System	Intel® Pentium® IV, 1.2 GHz or higher, 2 GB RAM, and 200 MB disk space
Printers	A color printer is recommended for printing graphs and reports with graphics.
Third-party	Adobe® Reader® 11.0 or higher
Firewall	Should not block pop-up windows.

## Morningstar Office<sup>SM</sup>

Browser	Microsoft® Internet Explorer 11.x, Microsoft Edge Enabled for cookies, JavaScript®
Operating Systems	Windows 7 SP1, Windows 8 SP1, Windows 10
System	Intel® Pentium® IV, 1.2 GHz or higher, 2 GB RAM, and 200 MB disk space
Connection Speed	Minimum: Cable modem, DSL Recommended: 1.44Mb or higher
Monitor Resolution	Minimum: 1024 x 768 pixels. Recommended: 65,536 colors, small font settings
Third-party	Microsoft® Office 2010 SP2 or higher Adobe® Acrobat® Reader® 6.0 or higher Microsoft® Windows Installer 1.2 (minimum, 3.0 recommended) Microsoft® .NET Framework 3.5 SP1

## Morningstar Direct<sup>SM</sup> and Report Portal

Browser	Preferred browsers include Mozilla Firefox® 3.6 or higher Safari 4.0 or higher, and Google Chrome 6.0 or higher Microsoft® Internet Explorer 8.0 (SP2) or higher
Operating Systems	Windows® Vista, Windows® 7, Windows® 8, Windows® 8.1
Connection Speed	Dedicated T1 (1.54 mbps) or faster
Monitor Resolution	1024 x 768
Memory	1GB RAM (minimum), 2GB (Presentation Studio)
Third-party Applications	Microsoft® Office 2003 (minimum), Adobe® Acrobat® Reader® 6.0 (or higher) Microsoft Windows Installer 1.2 (minimum, 3.0 recommended) Microsoft .NET Framework 3.5 SP1
Disk Space	1GB (minimum)
Processor	Intel® Pentium® III 600MHz (minimum), Pentium 4 2GHz (recommended)

## Morningstar Direct<sup>SM</sup> for Wealth Management

Morningstar's Direct Cloud Platform is available to any computer with an internet connection at [direct.morningstar.com](http://direct.morningstar.com). Availability may vary based on your firm's preferred integration.

Browser	Microsoft® Internet Explorer 11.x Chrome, most recent stable version Firefox, most recent stable version
Connection Speed	Dedicated T1 (1.54 mbps) or faster
Monitor Resolution	1024 x 768
Memory	1GB RAM (minimum), 2GB (Presentation Studio)
Third-party Applications	Microsoft® Office 2003 (minimum) Adobe® Acrobat® Reader® 8.0 (or higher)

# Morningstar Direct<sup>SM</sup> for Asset Management

Morningstar's Direct Cloud Platform is available to any computer with an internet connection at [direct.morningstar.com](http://direct.morningstar.com). Availability may vary based on your firm's preferred integration.

Browser	Microsoft® Internet Explorer 11.x Chrome, most recent stable version Firefox, most recent stable version
Connection Speed	Dedicated T1 (1.54 mbps) or faster
Monitor Resolution	1024 x 768
Memory	1GB RAM (minimum), 2GB (Presentation Studio)
Third-party Applications	Microsoft® Office 2003 (minimum) Adobe® Acrobat® Reader® 8.0 (or higher)

# Morningstar Office<sup>SM</sup> Cloud

Morningstar's Office Cloud Platform is available to any computer with an internet connection at [office.morningstar.com](http://office.morningstar.com). Availability may vary based on your firm's preferred integration.

Browser	Microsoft® Internet Explorer 11.x Chrome, most recent stable version Firefox, most recent stable version
Connection Speed	Dedicated T1 (1.54 mbps) or faster
Monitor Resolution	1024 x 768
Memory	1GB RAM (minimum), 2GB (Presentation Studio)
Third-party Applications	Microsoft® Office 2003 (minimum) Adobe® Acrobat® Reader® 8.0 (or higher)