



MTube System Requirements

This document lists the system requirements for **MTube** versions 16 and higher.
Before installing **MTube** on a workstation make sure it conforms to these requirements.

Operating System

Requirement	Minimum	Recommended
Windows "Home" editions are not supported	64-bit Microsoft® Windows® 7 Professional with SP1	64-bit Microsoft® Windows® 8.1 or 64-bit Microsoft® Windows® 10

Hardware

Requirement	Minimum	Recommended
Processor (CPU) Type Apple Mac® machines are not supported	64-bit Intel® or AMD® 2GHz	Intel® Xeon® E3 or Core i7, 3GHz or faster
Memory (RAM)	8 GB	16 GB
Hard disk (available space)	100 GB	250 GB
Optical disk reader	DVD reader	DVD reader
Mouse or other pointing device	Two-button + roller mouse	Two-button + roller mouse
Monitor resolution	1280 x 1024	1920 x 1080
Graphics processing unit	Microsoft® Direct3D 10® capable graphic card	Microsoft® Direct3D 11® capable graphic card
USB port for HASP key (dongle)	Port on motherboard	Port on motherboard
For DNC communication	COM port (RS-232) (one port per machine)	COM port (RS-232) (one port per machine)
For network communication	Ethernet port	Ethernet port

Software

Functionality	Requirement
Required – Microsoft .NET Framework	4.5
Required	<ul style="list-style-type: none">• Microsoft Windows networking• Installed Windows edition: Pro \ Business \ Ultimate• Microsoft Internet Explorer® 8 or higher
Required – 64 bit Microsoft® Office	Full 64 bit Microsoft® Office packet 2007 \ 2010 \ 2013 including Word, Excel, and Access Non-Microsoft® Office packets are not supported
Required	Adobe® Flash® Player 15



Complex models and large assemblies of more than 1000 parts have the following requirements.

Operating System

Requirement	Recommended
Windows "Home" editions are not supported	64-bit Microsoft® Windows® 8.1 or 64-bit Microsoft® Windows® 10

Hardware

Requirement	Recommended
Processor (CPU) Type Apple Mac® machines are not supported	Intel® Xeon® E3 or Core i7, 3.30GHz or faster
Memory (RAM)	20 GB
Hard disk (available space)	500 GB
Optical disk reader	DVD reader
Mouse or other pointing device	Two-button + roller mouse
Monitor resolution	1280 x 1024 or higher
Graphics processing unit	Microsoft® Direct3D 11® capable graphic card or higher
USB port for HASP key (dongle)	Port on motherboard
For DNC communication	COM port (RS-232) (one port per machine)
For network communication	Ethernet port

Software

Functionality	Requirement
Required – Microsoft .NET Framework	4.5
Required	<ul style="list-style-type: none">• Microsoft Windows networking• Installed Windows edition: Pro \ Business \ Ultimate• Microsoft Internet Explorer® 8 or higher
Required – 64 bit Microsoft® Office	Full 64 bit Microsoft® Office packet 2007 \ 2010 \ 2013 including Word, Excel, and Access Non-Microsoft® Office packets are not supported
Required	Adobe® Flash® Player 15