thermoscientific

Computer requirements

Computers provided by Thermo Scientific meet or exceed the requirements listed below. If you use another computer for your FTIR or Raman system, make sure it meets these requirements and ensure that your operating system is compatible with the version of software used for your system.

Compatible computers

	Instrument	Connection to instrument	Basic	Advanced	Advanced Graphics
FTIR	Nicolet Summit Summit PRO Summit OA	Ethernet	✅	✅	✅
	Nicolet Summit LITE Summit X iS5 iS5N iS5LS	1 USB 2.0	✅	✅	✅
	Nicolet iS10 Nicolet iS20 Nicolet Apex	1 USB 2.0	✅	✅	✅
	Nicolet iZ10 Module	1 USB 2.0	✅	✅	✅
	Continuum Microscope Nicolet iN5 TGA Module	1 USB 2.0	⚪	✅	✅

Category	Model	USB Ports			
Analyzers	Nicolet iS50 iS50R iG50	1 USB 2.0	⚪	⚪	✅
	AEM Continuum Microscope Nicolet iN5 TGA Module Raman Module GCIR Module SST Software	1 USB 2.0	⚪	⚪	✅
	Nicolet iN10 Nicolet iN10MX	1 USB 2.0	⚪	⚪	✅
	Nicolet RaptIR	1 USB 3.0	⚪	⚪	✅
	Antaris II & Antaris MX Analyzers	1 USB 2.0	✅	✅	✅
	Antaris IGS Analyzers	1 USB 2.0	⚪	✅	✅
Raman	DXR3 SmartRaman DXR3 Flex iXR	1 USB 2.0 or 3.0	✅	✅	✅
	DXR3 Raman Microscope	3 USB 2.0 or 3.0[1]	⚪	✅	✅
	DXR3xi Raman Imaging Microscope	3 USB 2.0 or 3.0	⚪	⚪	✅

[1] The optional Linkam stage requires 1 additional USB port
The optional Gage card requires a PCI Express slot.

Computer hardware specifications

	Basic	Advanced	Advanced Graphics
Processor	Intel Core i5 (6 cores, 3.3GHz to 4.8GHz)	Intel Core i7 (8 cores, 2.9GHz to 4.8GHz)	Intel Core i7 (8 cores, 2.9GHz to 4.8GHz)
RAM	8 GB	16 GB	32 GB
Graphics Card[2]	Standard integrated graphics card	Standard integrated graphics card	Validated graphics card: https://developer.openinventor.com/index.php/general-documentation/system-requirements/
Hard Disk Space	500 GB HDD	1 TB HDD	1 TB SSD
Sound Card	Integrated or other sound card	Integrated or other sound card	Integrated or other sound card
Peripherals	Mouse, Keyboard, Monitor	Mouse, Keyboard, Monitor	Mouse, Keyboard, Monitor
Disk Drive	A DVD drive is required for software installation for all computer options		

Compatible operating systems

The following software versions are compatible with the Windows 11 operating system. Earlier versions of software require Windows 10.

Software Packages	Windows 11
OMNIC Paradigm software	v2.2 and later
OMNIC Suite software	v9.13 HF3 and later
OMNIC Picta software	v1.8 HF1 and later
OMNICxi software	v2.5 and later
RESULT software	v4.6 HF2 and later
Security Suite Software, including Audit Manager and Security Administration software	v2.4 and later

---

[2] Make sure your graphics drivers are updated to the latest versions if you are using the 3D analysis tools in OMNIC Paradigm software.

TQ Analyst EZ and Professional Editions	v9.13 HF1

Software operating system compatibility

These software applications only support Professional and Enterprise versions of Windows operating systems.

Product	Windows 11	Windows 10
OMNIC Paradigm	v2.2 and later	v1.0 and later
OMNIC Suite	v9.13 Hotfix 3 and later	v9.7 and later
OMNIC Picta	v1.8 Hotfix 1 and later	v1.6 Hotfix 1 and later
OMNICxi	v2.5 and later	v1.5 and later
RESULT	v4.6 Hotfix 2 and later	v4.0 and later
Security Suite	v2.4 and later	v1.7 and later
TQ Analyst	v9.13 Hotfix 1 and later	v9.7 and later
Vignette	v2.0 and later	v2.0 and later

Server operating system compatibility

These products require Windows Server with Desktop Experience for all versions of Windows server.

Server Operating System	Audit Manager	Security Suite
Windows Server 2012 R2	v1.0 to v1.7 Hotfix 1	v1.8 to v2.4 Hotfix 1
Windows Server 2016	v1.0 and later	v2.0 and later
Windows Server 2019	v1.2 and later	v2.2 and later

Database compatibility

	Microsoft SQL Server					Amazon Aurora MySQL		Oracle					MariaDB									
	2012	2014	2016	2017	2019	5.6	5.7	11g Release 2	12c Release 1	12c Release 2	18c	19c	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
Audit Manager																						
1.0	✓	✓	✓	-	-	-	-	✓	✓	✓	-	-	✓	✓	✓	-	-	-	-	-	-	-
1.1	✓	✓	✓	-	-	-	-	✓	✓	✓	-	-	✓	✓	✓	-	-	-	-	-	-	-
1.2	✓	✓	✓	-	-	-	-	✓	✓	✓	-	-	✓	✓	✓	-	-	-	-	-	-	-
1.3	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-	-
1.4	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-	-
1.5	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-	-
1.6	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-	-
1.6 HF1	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	-	-	✓	✓	✓	-	-	-	-	-
1.7	-	✓	✓	✓	✓	-	-	-	✓	-	-	✓	-	-	-	✓	✓	-	-	-	-	-
1.7 HF1 and later	-	✓	✓	✓	✓	-	-	-	✓	-	-	✓	-	-	-	✓	✓	-	-	-	-	-
OMNIC Paradigm																						
1.0	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.1	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.2	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.3	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.3 HF1	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.4	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.5	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.5 HF1	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.6	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.6 HF1	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-
1.7	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
1.8	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	-	-	✓	✓	✓	✓	-	-	-	-
1.9	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	✓	-	-	✓	✓	✓	-	-	-	-	-
1.9 HF1	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	✓	-	-	✓	✓	✓	✓	-	-	-	-
1.9 HF2	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	✓	-	-	✓	✓	✓	✓	-	-	-	-
2.0	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	✓	-	-	✓	✓	✓	-	-	-	-	-
2.1	-	✓	✓	✓	✓	✓	✓	-	-	✓	-	✓	-	✓	✓	✓	✓	-	-	-	-	-
2.2	-	✓	✓	✓	✓	✓	-	-	-	✓	-	✓	-	-	-	✓	✓	✓	-	-	-	-
2.3	-	✓	✓	✓	✓	-	✓	-	-	-	-	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
2.4 and later	-	✓	✓	✓	✓	-	✓	-	-	-	-	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓