

# INTOUCH HMI HARDWARE REQUIREMENTS

Versione 2023 R2

# Documentazione di riferimento

## AVEVA™ InTouch HMI 2023 R2 Readme

Last revision: 1/12/2023

### Hardware Requirements

#### System Sizing Guidelines

The following table provides guidelines for hardware configurations suitable for System Platform 2023 R2 software based on the size of the installation. These guidelines are subject to the limitations of your Windows operating system.

- The Intel Itanium 2 processor is not supported.
- We recommend 1280 x 1024 as the minimum display resolution for engineering tools such as the Integrated Development Environment (IDE).
- A Windows Server operating system is required for large installations with more than 50,000 I/O per node.
- SQL Server Express is not supported for installations with more than 25,000 I/O per node (small installations only).

Hardware Requirement	Small Installation (1 - 25K I/O per Node)	Medium Installation (25k - 50k I/O per Node)	Large Installation (More than 50k I/O per Node)
CPU Cores (Minimum) <sup>1</sup>	Greater than or equal to 2	Greater than or equal to 4	Greater than or equal to 8
RAM <sup>1</sup> (GB)	Greater than or equal to 4	Greater than or equal to 8	Greater than or equal to 16
Storage (GB) <sup>2</sup>	Greater than or equal to 100	Greater than or equal to 500	Greater than or equal to 1000
Network (Mbps)	Greater than or equal to 100	Greater than or equal to 1000	Greater than or equal to 1000

#### Notes:

1 In redundant environments, increase CPU and RAM to maintain a maximum of 40% typical resource utilization.

2 Minimum amount of storage needed to provide sufficient capacity for 1 week @ max frequency.

#### Hardware Requirements Notes

Windows operating systems and SQL Server versions may impose hardware requirements that exceed the minimum requirements for InTouch HMI 2023 R2. Refer to the following Microsoft Web pages for Windows and SQL Server hardware requirements:

- [Windows Server 2016 System Requirements](#)
- [Windows Server 2012 R2 System Requirements](#)
- [Windows Server 2012 System Requirements](#)
- [Windows 10 System Requirements](#)
- [Windows 8.1 System Requirements](#)

# Documentazione di riferimento

## System Requirements and Licensing Training InTouch HMI 2023

### Hardware Recommendations

The following table provides guidelines for hardware configurations suitable for AVEVA InTouch HMI 2023 software based on the size of the installation. These guidelines are subject to the limitations of your Windows operating system.

Hardware Requirements				
The following table provides guidelines for hardware configuration suitable for InTouch 2023				
Hardware		Small Installation (1 - 25K I/O per Node)	Medium Installation (25K - 50K I/O per Node)	Large Installation (>50K I/O per Node)
CPU Cores <sub>1</sub>	Min	4 GB	8 GB	16 GB
	Recommended	8 GB	16 GB	32 GB
RAM <sub>1</sub>	Min	2 GB	8 GB	16 GB
	Recommended	4 GB	12 GB	24 GB
Storage <sub>2</sub>	Min	100 GB	200 GB	500 GB
	Recommended	200 GB	500 GB	1 TB
Network	Min	100 Mbps	1 Gps	1 Gps
	Recommended	1 Gps	1 Gps	Dual 1 Gps
<sub>1</sub> In redundant environments, increase CPU and RAM to maintain a maximum of 40% typical resource utilization.				
<sub>2</sub> Minimum amount of storage needed to provide sufficient capacity for 1 week at max frequency. Software Requirements for InTouch 2023.				

# Documentazione di riferimento

**Indicazioni da Ruben Rueda Sanchez Pre-Sales Aveva**  
Futura deployment guide InTouch 2026 in anteprima.

AVEVA InTouch HMI (formerly InTouch)					
AVEVA InTouch HMI - Workstation Client	4	4	100	Win10 / WinServer 2019	Software to be installed: WindowViewer, ViewApp, Historian Client, Remote IDE
AVEVA InTouch HMI - Small - SCADA Server	4	4	200	Win Server 2019	1 - 25k I/O, Up to 10 InTouch Web Sessions ( Same option can be selected if a redundant server is required)
AVEVA InTouch HMI - Medium - SCADA Server	8	12	500	Win Server 2019	25k I/O - 50k I/O, Up to 20 InTouch Web Sessions ( Same option can be selected if a redundant server is required)
AVEVA InTouch HMI - Large - SCADA Server	16	24	1000	Win Server 2019	50K I/O - 400K I/O, Up to 40 InTouch Web Sessions ( Same option can be selected if a redundant server is required)
AVEVA InTouch HMI - Unlimite - Reporting Server	16	16	1000	Win Server 2019	<100k tag Historian Server and Dream Report Server

# Sizing InTouch HMI

Taglie	CPU Cores	RAM (Gb)	STORAGE (Gb)
<b>Small (&lt;5k)</b>	2	8	100
<b>Medium (&gt;5k e &lt;10k)</b>	4	8	250
<b>Large (&gt;10k e &lt;50k)</b>	8	12	500
<b>Extra (&gt;50k)</b>	16	24	1'000

- In ambienti ridondanti, aumentare la CPU e la RAM per mantenere un utilizzo tipico delle risorse massimo del 40%.
- In caso di architetture TSE sono da considerare requisiti diversi, fare riferimento a TSC, tipicamente ulteriori 1 vCPU e 1 Gb RAM ogni 2 connessioni.
- Un sistema operativo Windows Server è richiesto per installazioni di grandi dimensioni con più di 50.000 I/O per nodo.
- SQL Server Express non è supportato per installazioni con più di 25.000 I/O per nodo (solo installazioni di piccole dimensioni).
- Quantità minima di spazio di archiviazione necessaria per fornire una capacità sufficiente per 1 settimana alla massima frequenza.