



## **Automation License manager and TIA Portal**

### TIA Portal - Central Engineering

The **Totally Integrated Automation Portal** constitutes the working environment for an integrated engineering for:

- Programming automation systems



### TIA Portal: Scope of the Products

#### SIMATIC STEP 7

Programming languages

LAD, FBD, SCL, STL”!,  
S7-GRAPH\*!

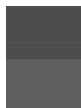
\*\* only for S7-300/400/1500/WinAC

Machine-level  
operator control  
and monitoring

and process visualization (SCADA)

Integration  
of drives

WinAC (incl. Failsafe)  
S7-1500 (incl. Failsafe)



SCADA

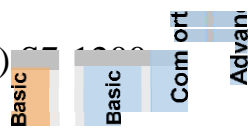
## TIA Portal - Central Engineering Framework

The **Totally Integrated Automation Portal** constitutes the working environment for an integrated engineering for:

- Programming automation systems
- Visualizing the process

### S7-300

ET 200 CPU, (incl. Failsafe)



### Communication

- PROFIBUS, PROFINET, AS-i, IO-Link, Network topology

### Shared Functions

- System diagnostics, Import/Export to Excel, UnDo

SITRAIN  
TIA-MICRO1 / Introduction TIA Portal

# TIA Portal: STEP 7 Licensing

	S7-1200 (LAD, FBD, SCL)	S7-300 / S7-400 / S7-1500 / WinAC (LAD, FBD, STL, SCL, S7-GRAPH, PLCSIM) Engineering System (ES)
STEP 7 Basic	Floating license	
STEP 7 Professional	Floating license	
	Upgrade license	+ generates Combo license STEP7 V5.4 (and higher) and —+ STEP7 V12 Professional parallel installation possible

