

GenesisPrime

Wall/Machine Mount Equipment Monitoring and Control System



GenesisPrime is a standardized industrial control panel and SCADA system in a compact but familiar form factor that is ready to be wall or machine mounted for plug-and-play installation by in-house personnel with no schematics needed. From data acquisition and machine control to full line automation, **GenesisPrime** does what traditional systems do at a fraction of the cost.

GenesisPrime features an innovative patent-pending design that standardizes and simplifies the interface to your equipment. It is OSHA compliant while allowing operators to program, test, and diagnose problems without shutting down the

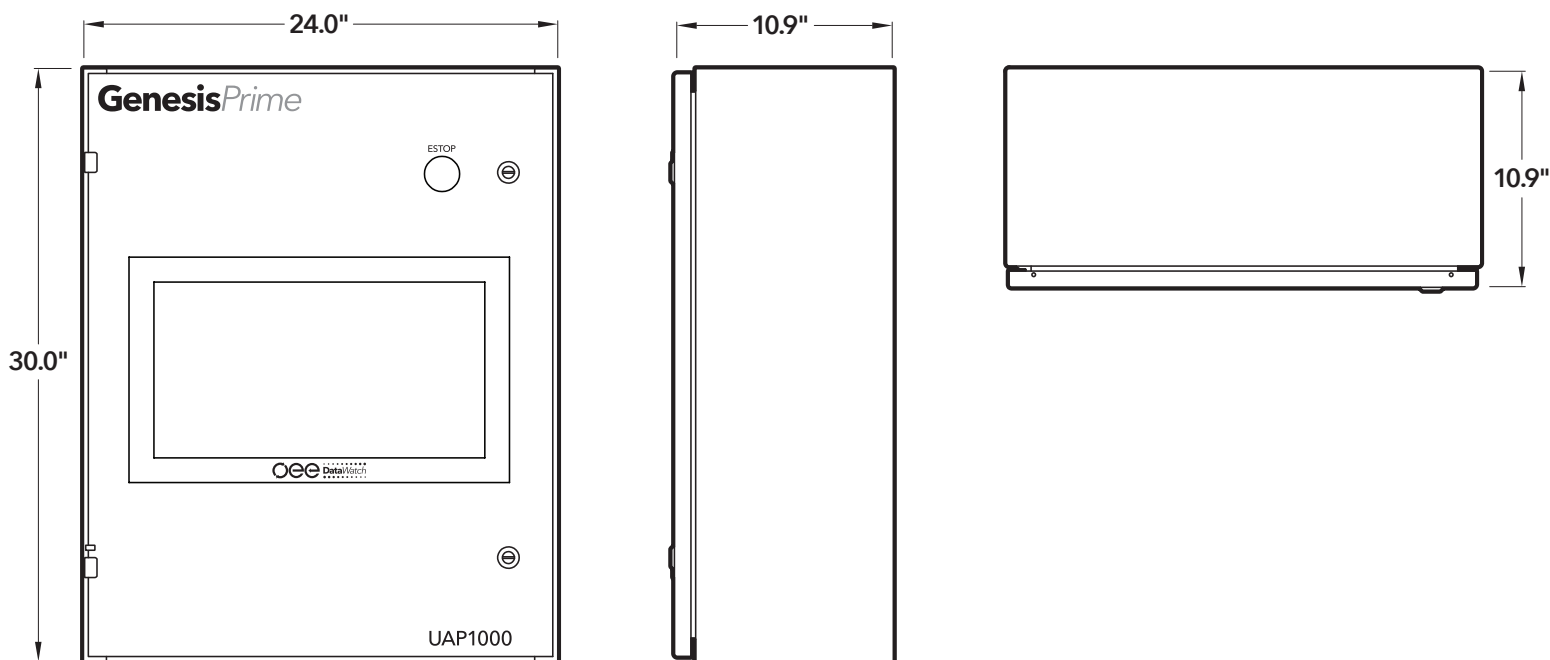
line. The result is dramatically lower installation and ongoing maintenance costs, maximum overall equipment effectiveness, and the data you need to fully understand your process, improve quality, and eliminate downtime.

GenesisPrime comes complete with all required software loaded and licensed and the SCADA user screens set up and ready to run your operation manually. Additional automation programming and engineering services are available from OEE DataWatch or our authorized distributors and integrators.

Specifications

Cabinet Dimensions	24" Wide x 10" Deep x 30" High	
Power	120VAC	
	Power strip with surge protection in the cabinet	
Installation	Wall or machine mount	
SIL E-Stop	Emergency Stop Button, OSHA compliant	
Work Light	Movable interior LED light strip	
Built-In Display	19" touchscreen monitor	
PLC	Hardware	Siemens S71214C
	Software	Pre-configured manual control program installed with SCADA screens
I/O	Inputs	32 digital 24VDC inputs
		4 high-speed counter/encoder inputs
		8 analog 0-10V inputs
	Outputs	16 digital 24VDC outputs, N.O. only, Solid State Relay
		16 digital 24VDC outputs, N.O. and N.C. contacts
		4 analog 0-10V outputs
Wiring	PLC hardwired to push-in terminal blocks for ergonomic wiring	
	Connections clearly labeled with customer's I/O descriptions	
Protection	Solid State programmable fusing, 1 to 10 amps	
	Low voltage components only - safe to diagnose problems with line running	
On-Board PC Hardware	64GB storage, 4GB RAM	
	802.11 Wi-Fi	
	3x USB ports, SD Card Reader	
	HDMI port, LAN port	
	Wireless mini keyboard with integrated trackpad	
Software	Windows 10 Pro	
	AVEVA Edge (InduSoft Web Studio) - Runtime license	
Network Connectivity	LAN connection to plant floor network and other Genesis devices	
Programming	SCADA: Manual Control, Maintenance, and Analog Calibration screens	
	Status and control of all inputs and outputs	
	OEE Dashboard: OEE gauges, data collection log, and data trending	
Training & Support	Built-in training and setup videos, pre-installed on PC and available on YouTube	
Warranty	1-year, limited liability warranty	
	Manufactured in York, PA, USA	

Note: The OEE DataWatch **GenesisPrime** is patent pending, subject to all U.S. patent and copyright laws, and all legal recourse. All hardware, software, and documentation provided by OEE DataWatch is proprietary information and is licensed solely to the end user and/or licensed through OEE DataWatch authorized integrators or distributors.



Available Options (suffixes added to model number)

Industrial Keyboard Enclosure (KE)	
<i>Dimensions</i>	24" Wide x 6" Deep x 12.25" High
<i>Installation</i>	Mounts to bottom of GenesisPrime
<i>Cabinet</i>	Wireless keyboard and mouse included
	Fold down keyboard shelf
	Extending mouse drawer
	Additional storage
Siemens TIA Portal Software - Basic License (SW)	
Software for configuration, ladder logic programming, testing, and diagnosis of the PLC	
Stack Light (SL)	
Andon status light (red, yellow, green) and associated programming	
40" Andon Display (AD)	
<i>Dimensions</i>	35.60" Wide x 8.00" Deep x 22.10" High
<i>Installation</i>	Wall mount (included)
	25' HDMI cable
Cyber Secure Remote Access (CS)	
Isolated TCP/IP connection with cyber-secure firewall for remote customer support by OEE DataWatch and/or authorized partners	