

GenesisMaxim Equipment Monitoring and Control System



GenesisMaxim is our top-of-the-line, standardized industrial automation solution that combines an integrated SCADA system and remote dashboard with an OSHA compliant control panel and power solution. Compact and ergonomic, it comes ready to be rolled into place for plug-and-play installation by in-house personnel with no schematics needed. From data acquisition and machine control to full plant automation, **GenesisMaxim** does what traditional systems do at a fraction of the cost.

GenesisMaxim 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.

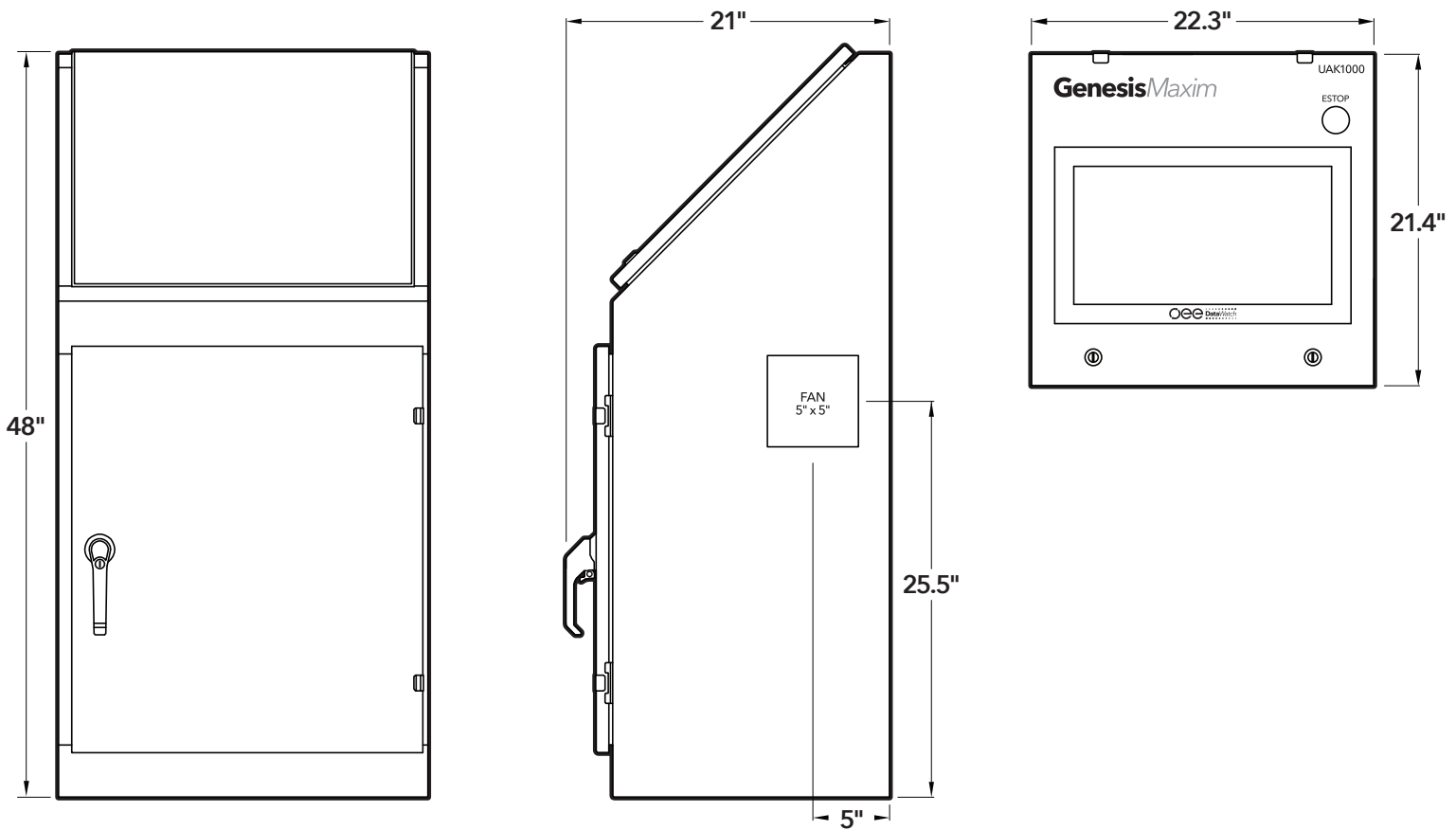
GenesisMaxim comes complete with all required software loaded and licensed and the SCADA user screens set up and ready to run your operation manually. Additional automation programming and engineering services are available from OEE DataWatch or our authorized distributors and integrators.

Specifications

Cabinet Dimensions	24" Wide x 20" Deep x 54" High	
Power	120VAC with 20' power cord	
	Power strip with surge protection in the cabinet	
Installation	Integrated wheels or floor mounting feet (included)	
Cabinet	Separate compartments for low and high voltage components	
	Cooling fan and air filter	
	Detachable shelf for keyboard and mouse	
	12" x 18" back-panel space and 12" x 12" right side-panel space for mounting interface relays, control drives, etc., 700 watts max	
Wi-Fi	External Wi-Fi antenna	
SIL E-Stop	Emergency stop button, OSHA compliant	
Stack Light	Andon status light (red, yellow, green)	
Work Light	Movable interior LED light strip	
Displays	Built-In	19" touchscreen monitor
	Remote	40" monitor for Andon display, 25' HDMI cable
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	250GB storage, 16GB RAM	
	802.11 Wi-Fi	
	5x USB ports, SD Card Reader	
	2x HDMI ports, 2x LAN ports	
	Wireless keyboard and mouse	
Software	Windows 10 Pro	
	Siemens TIA Portal Software - Basic license	
	AVEVA Edge (InduSoft Web Studio) - Runtime license	
Network Connectivity	Two independent Ethernet connections	
	LAN connection to plant floor network and other Genesis devices	
	Separate, isolated TCP/IP connection for remote access through cyber-secure firewall	

Specifications (continued)

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
	20 hours of custom user screen design and programming
Safety & Compliance	Designed and built for compliance with OSHA requirements for operational safety
	Lockable disconnect (max 60 amps and 480VAC) for access to high voltage compartment
	SIL E-Stop relay
	Status light tower
	Logic programming by OEE DataWatch, authorized partners, or authorized in-house personnel
Training & Support	Built-in training and setup videos, pre-installed on PC and available on YouTube
	Cyber-secure remote customer support by OEE DataWatch and/or authorized partners
Warranty	1-year, limited liability warranty
	Manufactured in York, PA, USA



Note: The OEE DataWatch **GenesisMaxim** 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.