Software Products

Application Software						
Name	**Woodward Part No.**	**Description**	**Hardware Platform**	**Features**	**Comments**	**Product Spec**
GAP Programmer (1 seat)	8928-810	Graphical Application Program is a functional block software used to build custom control systems. Once the control logic is entered using the program's graphical programming environment, the GAP software complier function generates code (via the GAP coder) that is downloaded to the target hardware to run the control. Note: Most Service Tools such as Control Assistant and Watch Window Pro reside in GAP and are activated with download licenses.	MicroNet, MicroNet TMR, Atlas, 2300, 733	1. Self documenting 2. All function blocks are programmed to run every 5, 10, 20 etc. ms, giving this multitasking operating system a guaranteed update rate. 3. Multiple GAP sections of control logic and algorithms can be created and controlled by different entities, then compiled into a single program for unit control. 4. Each functional block is independent eliminating unwanted interaction. 5. Internal Woodward ladder logic	Microsoft C/C++ 6.0 compiler required to code GAP applications on a MicroNet Pentium CPU. Must purchase a license to activate and then downloaded from website or purchased CD.	03216
GAP Read Only Programmer & GAP Demo Programmer	none	Read Only GAP only allows viewing of GAP programs and does not support making program changes. Demo GAP allows creating and modifications to GAP programs, but does not support compiling code.	MicroNet, Atlas, 2300, 733	Demo GAP reverts to Read Only GAP after 180 days.	No license required.	
Microsoft C/C++ 6.0 Compiler	1796-046	Used to successfully compile GAP coder 3.00 or higher for applications in MicroNet Pentium CPUs that use NT operating systems.	MicroNet		GAP Must purchase a license to activate and then downloaded from purchased CD.	
Multiprog Install Kit / Sequence Logic Editor	1796-1070	Used to create and change sequence based application programs in specific Atlas PC and GTC controls.	AtlasPC & GTC controls	Only usable and compatible with GAP Programmer 3.06 or greater programs.	Must purchase a CD kit.	03296
ABLS	9927-1272	Used to create and change application programs in 723 and 828 controllers.	723 & 828		Must purchase a license to activate and then downloaded from website or purchased CD.	

Service Tools

Name	Woodward Part No.	Description	Hardware Platform	Features	Comments	Product Spec
App-Manager		Free software management tool that facilitates uploading and downloading GAP associated software.	MicroNet, AtlasPC		Download for free from Woodward website. No license required.	
Monitor GAP	8928-5007	Allows GAP users to view and edit runtime values in GAP application programs when connected to a control, or running NetSim tools.	MicroNet, MicroNet TMR, Atlas, 723, 733, 828, 2300	Monitor GAP works in parallel with the GAP graphical display and superimposes the actual runtime values into that display environment. It is embedded in GAP Programmer version 3.05 or higher, and GAP Editor 2.14 or higher install programs. Watch Windows standard comes embedded in Monitor-GAP.	Users of GAP 2.13 or lower and ABLS 4.0 programs must first update their GAP Editor to GAP 2.14 or higher before using this tool. Must purchase a license to activate. Comes with GAP.	03306
Watch Window II	8928-801	Allows users access to the Service, Configure, and Debug modes of a Woodward configurable digital control via Ethernet.	MicroNet, AtlasPC	An engineering and troubleshooting tool, typically used only by service engineers for viewing the Debug variables in the GAP software.	This software is not needed by most end-users for normal use. Must purchase a license to activate and then downloaded from website or CD.	03220
Control Assistant	8928-101	Used to monitor high-speed Datalog files created in Atlas, MicroNet, and MicroNet TMR.	MicroNet, MicroNet TMR, AtlasPC		Must purchase a license to activate and then downloaded from purchased CD.	03201

Service Tools (continued)						
Datalog Retrieval Tool Basic	8928-5008	The Datalog Retrieval functionality, once enabled in AppManager, performs automatic archiving of Datalog files generated on one to three controls connected by a network. The collected files are given unique names based upon the original file name, the last time of modification, and the source control. For 1 to 3 controls.	MicroNet, Atlas	The AppManager Program's Datalog Retrieval Function is embedded in AppManager version 2.2 or higher programs. It is a service tool program used to download programs utilized with MicroNet and Atlas controls communicating via Ethernet communications.	Free feature of AppManager. No license required for up to 3 controls.	
Datalog Retrieval Tool Enterprise	8928-5009	The Datalog Retrieval functionality, once enabled in AppManager, performs automatic archiving of Datalog files generated on one or more controls connected by a network. The collected files are given unique names based upon the original file name, the last time of modification, and the source control. 4 or more controls.	MicroNet, Atlas	The AppManager Program's Datalog Retrieval Function is embedded in AppManager version 2.2 or higher programs. It is a service tool program used to download programs utilized with MicroNet and Atlas controls communicating via Ethernet communications.	Must purchase a license to activate and then downloaded from website or respective control.	
Watch Window Standard	8928-316	Allows users access to the Service and Configure modes of a Woodward configurable digital control.	2301D, 2301D-ST, 2301D-GT, 723, 828, GTC controls		No license required and can be downloaded from website or purchased CD.	03202
Watch Window Professional	8928-800	Allows users access to the Service, Configure, and Debug modes of a Woodward configurable digital control.	2301D, 2301D-ST, 2301D-GT, 723, 828, GTC controls	Professional is an engineering and troubleshooting tool, typically used only by service engineers for loading new Woodward GAP Application software, and viewing the Debug variables in the GAP software.	This software is not needed by most end-users for normal use. Must purchase a license to activate and then downloaded from website or purchased CD.	03220
505View Operator Interface	8928-203	Provides Human Machine Interface (HMI) capabilities for 505 and 505E steam turbine control systems.	505, 505E	Loads onto the user's PC which connects to the 505/505E control and is designed for operator control and annunciation in either control room or local control applications.	Must purchase a CD kit.	03207

Simulation Software

Name	Woodward Part No.	Description	Hardware Platform	Features	Comments	Product Spec
NetSim Basic	8928-5005	A simulation service tool that allows GAP application programs to be run and tested on a computer before they are downloaded into the control.	MicroNet, MicroNet TMR, Atlas, 2301D, 2300	Once a GAP application program has been created it can then be executed and inputs changed to simulate open-loop operation of the control. It is only compatible with GAP programs using Coder 2.08 or higher.	The Microsoft C/C++6.0 Compiler program is also required to operate NetSim Basic. Must purchase a license to activate and then download from website.	03292
NetSim Advanced	8928-5006	A simulation service tool that allows GAP application programs to be run and tested against turbine models on a computer before they are downloaded into the control.	MicroNet, MicroNet TMR, Atlas, 2301D, 2300	Once a GAP application program has been created it can then be executed against a simulated turbine package to simulate the closed-loop control operation. It is only compatible with GAP programs using Coder 2.08 or higher.	The Microsoft C/C++6.0 Compiler program is also required to operate NetSim Basic. Must purchase a license to activate and then download from website.	03293
STS100 Steam Turbine Simulator (hardware)	8957-012	Provides closed loop simulation with 505, 505E, and 5009 steam turbine control systems.	505, 505E, 5009	Actual field data (pressures, flows, power, and response times) are used to provide realistic simulation of the actual plant conditions. The controller's actions can be monitored, tested, and verified before installation on the actual turbine for off-line training, test, and troubleshooting.	Software comes with the hardware.	03206