



Description

The TALON[®] Network Manager provides system-level control and interoperability for a wide range of industry standard open protocols and devices. Residing on a high-speed Ethernet network, the TALON Network Manager utilizes Internet standards to enable communication between LONWORKS[®], BACnet[®], and MODBUS products.

The TALON Network Manager communicates via Ethernet, Internet/intranet, or through a modem. Functions may be monitored and controlled directly from a TALON Workstation or from any standard Web browser interface. The TALON Network Manager applications are created and updated with the Talon Workstation network management tool.

Controller Features

- Integrates LONMARK[®] controllers and other open system products and protocols.
- Coordinates event and equipment scheduling and live trending functionality.
- Controller embedded database reduces cost by eliminating the need for an on-line workstation.
- Incorporates Ethernet network for high speed communication and distribution of real-time control functions.
- Scalable functionality, from one to many TALON Network Managers, based on facility needs.
- Two hardware variations to address the needs of any sized system.
- Real-time clock enables stand-alone operation and time-based functionality.

Access Features

- Access from a personal computer or other Web-enabled device (including a TALON Workstation), from any location via Internet with a standard Web browser.
- Acts as secure web server for graphics, as well as for trend information and alarms.
- Allows an unlimited number of users to have simultaneous access.
- Performs alarm management and historical trend data collection.
- Offers flexible and powerful password and security options.
- User monitoring and control of a facility is provided through a familiar browser interface.

System-Wide Programmable Control and Monitoring

The high-performance TALON Network Manager, with embedded database, is easily programmed to perform network functions including:

- LONTALK[®] network variable connections.
- Holiday Scheduling
- Operational Scheduling
- Trend Collection and graphical display
- Alarm processing and routing
- Synchronization of global time functions
- Peak Demand Limiting
- Optimal Start/Stop
- Automatic Daylight Savings Time switchover
- Site-specific graphic displays of the system equipment can be placed into TALON Network Manager's embedded database.

Hardware

The Talon Network Manager is available in the following styles:

- Basic unit
 - (1) LonWorks Trunk Interface, (1) 10/100 Mb. Ethernet Network Interface, (1) RS-232 port, (1) software selectable RS-232 or RS-485 port
 - (1) LonWorks Trunk Interface, (1) 10/100 Mb Ethernet Network Interface, (2) RS-232 ports, (2) RS-485 ports
- Basic unit with Web Browser access
 - (1) LonWorks Trunk Interface, (1) 10/100 Mb. Ethernet Network Interface, (1) RS-232 port, (1) software selectable RS-232 or RS-485 port
 - (1) LonWorks Trunk Interface, (1) 10/100 Mb Ethernet Network Interface, (2) RS-232 ports, (2) RS-485 ports
- NT-based unit
 - (1) LonWorks Trunk Interface, (1) 10/100 Mb Ethernet Network Interface, (2) RS-232 ports

- NT-based unit with Web Browser access
 - (1) LonWorks Trunk Interface, (1) 10/100 Mb Ethernet Network Interface, (2) RS-232 ports

Specifications

Specification	
Processor Type	
Basic Unit	Motorola RISC Processor
NT-based Unit	High Speed Intel™ or AMD™ CPU
Clock Speed	
Basic Unit Processor	200 MHz
NT-based Unit Processor	500 MHz
Communication Speed	
Ethernet Network	
Basic Unit	10 or 100 Mb
NT	10 or 100 Mb
LonWorks	78.8K bps
Memory Size	
Basic Unit	64 MB RAM (8 MB Flash; 16 MB for WEB option)
NT-based Unit	128 MB RAM (Minimum 3-Gbyte IDE hard drive standard)
Battery Backup of RAM	
Basic Unit	60 days (minimum)
Communication Interfaces	
Basic versions	
587-700	1 Ethernet port , 1 LonTalk port, 1 RS-232 port, 1 RS-232/485 (software selectable)
587-701	1 Ethernet port , 1 LonTalk port, 1 RS-232 port, 1 RS-232/485 (software selectable) with Web browser access
587-702	1 Ethernet port , 1 LonTalk port, 2 RS-232 ports, 2 RS-485
587-703	1 Ethernet port , 1 LonTalk port, 2 RS-232 ports, 2 RS-485 with Web browser access
NT versions	
587-704, 711	1 Ethernet port , 1 LonTalk port, 2 RS-232 ports
587-705, 712	1 Ethernet port , 1 LonTalk port, 2 RS-232 ports with Web browser access
Voltage Requirements	
Basic Unit	24 Vac or 24 Vdc @ 47 to 63Hz (on AC power)
NT-based Unit	120 VAC universal @ 47 to 63Hz
	240 VAC universal @ 47 to 63Hz
Ambient Operating Environment	
	32°F to 122°F (0 to 50°)
	5 to 95%, non-condensing

Agency Listings	UL 916 PAZX/PAZX7 (Enclosed Energy Management)
Agency Compliance	FCC Part 15, Class A CISPR 22 Class A CE Mark Australian EMC Framework
Dimensions	
Basic Unit	11.25" H × 12.5" W × 3.5" D (286 mm × 318 mm × 89 mm)
NT-based Unit	7.6" H × 6.8" W × 10.1" D (192mm x 172 × 256mm)
Weight	
Basic Unit	Net 4 lbs (1.8 Kg) / Gross 5 lbs (2.3 Kg)
NT-based Unit	Net. 4.4 lbs (2 Kg) / Gross 6.1 lbs (2.8 Kg)
Mounting Surface	
Basic Unit	Building Wall or Structural Member
NT-based Unit	Floor or Table top

Ordering Information

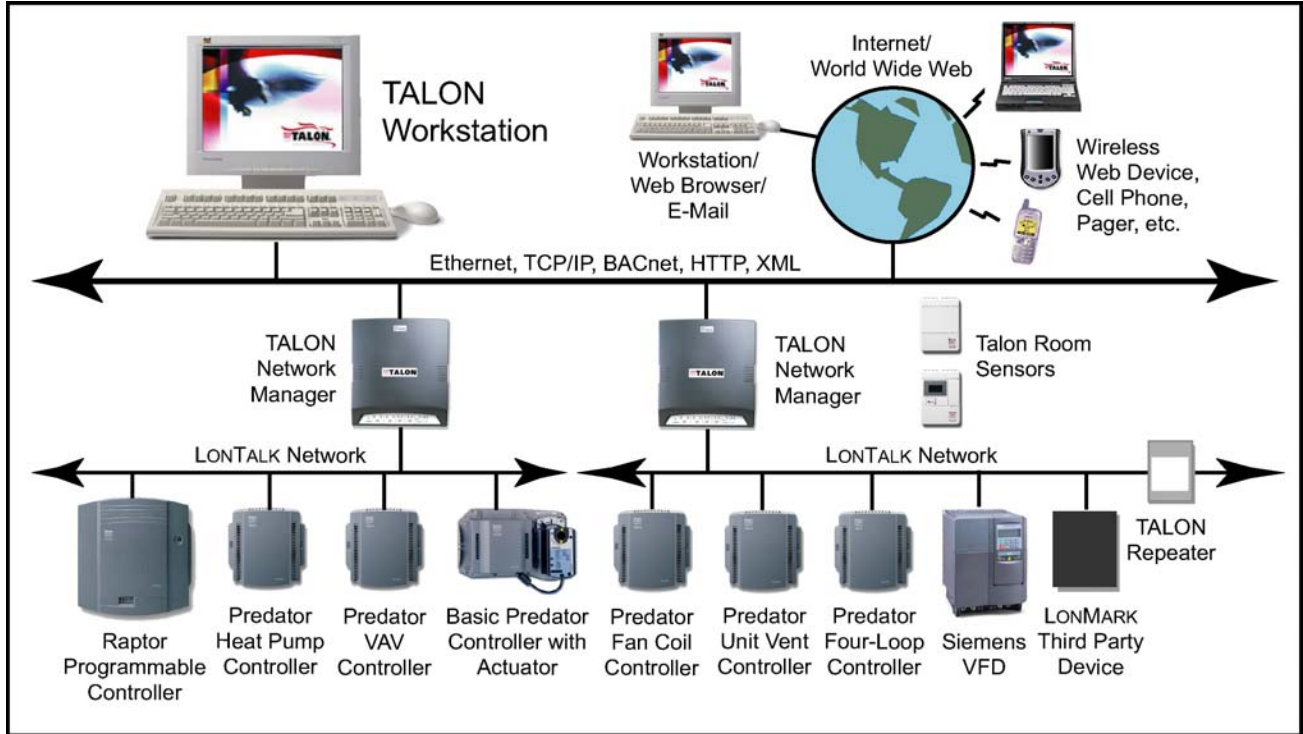
Controllers

Description	Product Number
Talon Basic Network Manager with (1) each E-net, LonWorks, RS-232 and RS-232/485 port	587-700
Talon Basic WEB Manager with (1) each E-net, LonWorks, RS-232 and RS-232/485 port	587-701
Talon Basic Network Manager with (1) E-net, (1) LonWorks, (2) RS-232 port, (2) RS-485 port	587-702
Talon Basic WEB Manager with (1) E-net, (1) LonWorks, (2) RS-232 port, (2) RS-485 port	587-703
Talon Network-NT Manager with (1) E-net, (1) LonWorks, (2) RS-232 port	587-704
Talon WEB-NT Manager with (1) E-net, (1) LonWorks, (2) RS-232 port	587-705
Talon Network-NT Manager (240Volt) with (1) E-net, (1) LonWorks, (2) RS-232 port	587-711
Talon WEB-NT Manager with (240 Volt) (1) E-net, (1) LonWorks, (2) RS-232 port	587-712

Options

Description	Product Number
Talon Network-NT and WEB-NT option for Modem	587-706
Talon Network-NT and WEB-NT option for Windows NT upgrade	587-707
Talon WEB-NT option for Database Services	587-708
Network Manager Native MODBUS Driver	587-811
Network-NT Manager DDE Client	587-812
Network Manager Ethernet MODBUS Driver	587-813
Network-NT Manager MODBUS Slave Driver	587-814
Network Manager Smart II Driver	587-815

TALON Architecture



Notice: Information in this document is based on specifications believed correct at the time of publication. The right is reserved to make changes as design improvements are introduced.

Credits: *Staeffa Control System, Raptor, Predator, and TALON* are trademarks of Siemens Building Technologies, Inc. *Niagara Framework* is a registered trademark of Tridium, Inc. Other products and company names herein may be the trademarks of their respective owners.



Siemens Building Technologies, Inc.
 HVAC Products
 1000 Deerfield Parkway
 Buffalo Grove, Illinois 60089
 Phone 847-215-1000
www.staeffa.com

Copyright 2002 by Siemens Building Technologies, Inc.

