



# Chase Controls Corp.

Manufactured By IDX Inc.

1812 Lorene  
El Dorado, AR 71730  
PHONE: 800.643.1109



## ChaseNet SCADA Systems

## Product Data Sheet

Chase Controls Corp. is dedicated to meeting your monitoring and control needs. We specialize in SCADA telemetry solutions and SCADA products for the water, and wastewater industry. Our system utilizes remote telemetry units (RTU), and access to web-based and / or local HMI control software for the monitoring and control of remote equipment.

ChaseNet SCADA systems can combine multiple wireless and wired data communication methods to offer a real time monitoring and control SCADA telemetry system. Radio, Dial-Up, Satellite, Cellular, Wired Ethernet, and Fiber networks can all share data, to provide the easiest, most cost effective SCADA communication solution.

Whether you're looking for alarm monitoring, complete SCADA control, an easy to implement redundant communication network or an effective way to communicate with remote sites, the ChaseNet system is your answer.

### ChaseNet Dedicated RTU's

ChaseNet offers a line of full featured prepackaged Remote Telemetry Units (RTU's).

ChaseNet dedicated RTU's have continuous, real time connection and require no programming. RTU feature settings are easily modified or selected using the ChaseNet simple Point-N-Click configuration utility.

RTU models are available for monitor only or monitor / control applications.

ChaseNet RTU's utilize industry standard Modbus and OPC communication protocols, allowing easy interface to most all existing SCADA systems.

### ChaseNet Programmable RTU's

ChaseNet RTU4000 Series are for the complex SCADA sites that require a custom control solution. The large process power and unlimited IO expansion capability provide the ability to control most any application, from a large PID controlled pump station, to a complete Water or Wastewater Treatment Facility.

The RTU3000 controller utilizes ISaGRAF the industry standard IEC6113-3 automation software. ISaGRAF provides a user-friendly, flexible environment for developing, debugging and downloading CC-4000 controller logic code; and provides local and remote access to your process by utilizing Intranet and Internet technologies. The IEC 61131-3 software package includes five main programming languages: Sequential Function Chart (SFC), Instruction List (IL), Ladder Diagram (LD), Function Block Diagram (FBD), and Structured Text (ST).



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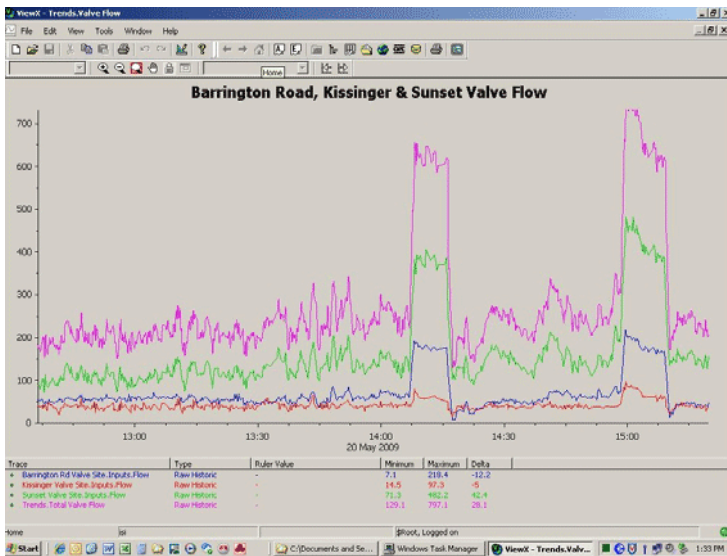
## Product Data Sheet

The ChaseNet SCADA information is displayed on a easy to understand graphic depiction of your water or wastewater system. ChaseNet Web-View provides incredible web graphics to display real time status and control data and/or seamlessly integrate data to your local HMI computer software such as Wonderware, Clearscada, Intellution, Trihedral VTS Scada, or ChaseNet HMI. The data screens can even be viewed on laptops, cell phone, or wireless tablet devices, from anywhere in the world.

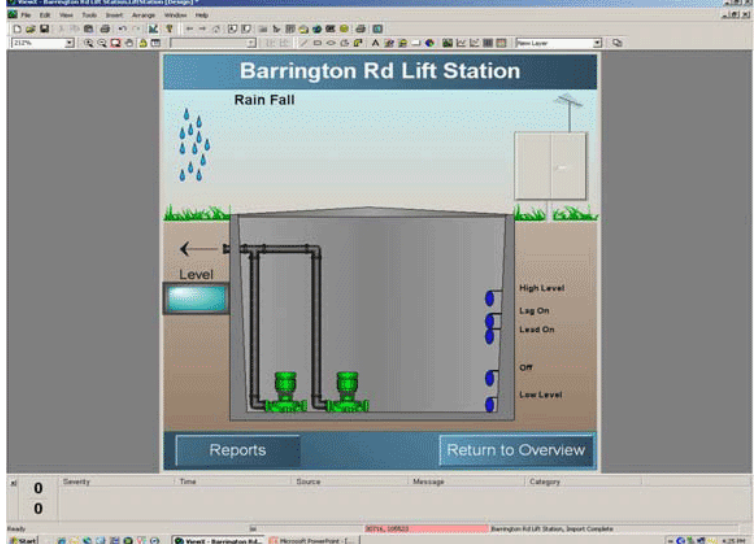
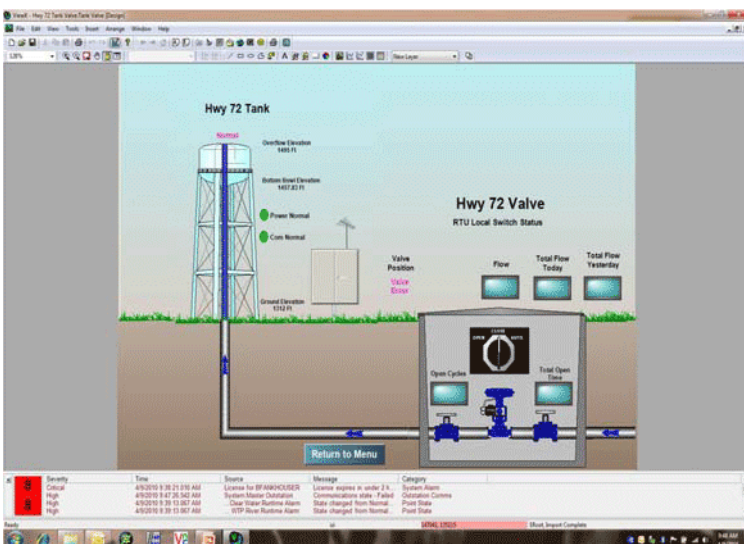
ChaseNet HMI and Web-View includes a report page for generating ad-hoc reports and scheduled predefined reports designed for the water and wastewater industry. Custom reports may be added as required.

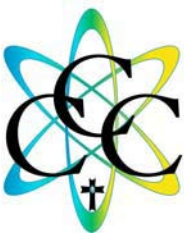
A historical data viewer is also included, it combines historical data logs with real-time data to display a continuous picture of any number of data values over time. See Analog and digital data displayed simultaneously in either trend view or tabular format.

The ChaseNet alarm page list current, active, unacknowledged, disabled and configured alarms. Receive alarm information anywhere via email, text, and text to voice phone calls.



DATE	P1 Total Runtime (hrs)	P1 Daily Runtime (hrs)	P2 Total Runtime (hrs)	P2 Daily Runtime (hrs)	P1 Total Gallons	P1 Daily Gallons	P2 Total Gallons	P2 Daily Gallons	SEWER OUTPUT Gallons
<b>Total:</b>	24.6	46.0			826,560	1,545,601			2,372,161
<b>Maximum:</b>	1.2	2.6			40,330	87,360			122,690
<b>Minimum:</b>	0.1	0.2			3,360	6,720			10,080
<b>Average:</b>	0.5	0.9			16,869	31,543			48,411





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ChaseNet SCADA Dedicated RTU500



Operator Security Card: On-Site Login, Alarm Acknowledgement and Alarm Suspension While Service To RTU Is Performed

The ChaseNet system is a totally integrated, fully automated, remote control and monitoring solution. Suitable for use as a stand alone system or perfect for incorporating into any existing SCADA system.

ChaseNet provides site monitoring, tank level as well as 2 way pump control including pump start and stop set point adjustment, remote “on/off” control, and alarm set point adjustment.

ChaseNet RTU’s are advanced, supporting redundant communication topologies such as conventional radio, cellular, and satellite simultaneously.

No programming required, a user-friendly Point-N-Click configuration utility provides easy access to the RTU’s many features.

## Features:

- 120 VAC or 24 VDC Power , Solar compatible
- Battery Backed Up with Charging Circuit and Power Fail Alarm
- Simultaneous Radio, Cellular or Satellite Communication
- Monitor and/or Control: Lift Stations, Tanks, Wells, PRVs, Flow Meters, Level, Starts & Runtimes, Booster Stations, Pressure & Residual Chlorine, Turbidity, and many more.
- Complete Stand Alone SCADA RTU or Alarm Monitor
- When connected to ChaseNet SCADA network, received alarm notification anywhere via text, email, or text to voice phone calls
- 4” Mono or 6” Color Operator Interface Display Available
- Modbus RTU / TCP Communication Protocol
- Operator Security Card: On-Site Login, Alarm Acknowledgement and Alarm Suspension While Service Is Performed
- No Programming Required - Field Configurable via Windows Point-N-Click Configuration Utility

## Specifications:

Input Power: 120VAC / 24VDC

Backup Power: 12VDC Battery

Inputs: 8 - 120VAC / 24VDC and 8 - 24 VDC  
16 Total

Outputs: 8 Dry Contact Relay

Analog Inputs: 2 4-20ma

Communications: 2 - RS232 Serial Ports  
w/ Optional Modbus TCP/IP Ethernet Port.

Protocol: Modbus RTU and Modbus TCP/IP

Removable Terminal Wiring Connections

Operating Temp: -20 to + 140F

Humidity: 5% RH to 95% RH non-condensing

Enclosure: 16” X14” X10” NEMA 4,  
Non-Metallic



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ChaseNet SCADA Dedicated RTU1000



Operator Security Card: On-Site Login, Alarm Acknowledgement and Alarm Suspension While Service To RTU Is Performed

The ChaseNet system is a totally integrated, fully automated, remote control and monitoring solution. Suitable for use as a stand alone system or perfect for incorporating into any existing SCADA system.

The RTU1000 utilizes the CC1000 dedicated application controller with all the power of a custom programmed PLC, in a user-friendly configurable platform. Chase Controls dedicated controllers, are designed and preprogrammed with multiple water and wastewater applications, ranging from simple pump / wet well control to complex water plant filter control, all in a single compact footprint.

ChaseNet is advanced, supporting redundant communication topologies such as conventional radio, cellular, and satellite simultaneously.

No programming required, a user-friendly Point-N-Click configuration utility provides easy access to the RTU1000's many features.

ChaseNet RTU's utilize industry standard Modbus RTU/TCP communication protocols, allowing easy interface to most all existing SCADA systems.

## Features:

- 120 VAC or 24 VDC Power , Solar compatible
- Battery Backed Up with Charging Circuit and Power Fail Alarm
- Simultaneous Radio, Cellular or Satellite Communication
- Monitor and/or Control: Lift Stations, Tanks, Wells, PRVs, Flow Meters, Level, Starts & Runtimes, Booster Stations, Pressure, Residual Chlorine, Turbidity, and many more
- PID control for 1-3 pumps, valves, or chemical pacing
- Complete Stand Alone SCADA RTU or Alarm Monitor
- When connected to ChaseNet SCADA network, received alarm notification anywhere via text, email, or text to voice phone calls
- 4" Mono or 6" Color Operator Interface Display Available
- Expandable Input / Output and Communication Modules Available
- Integrated Watchdog Timer
- Modbus RTU / TCP Communication Protocol
- Operator Security Card: On-Site Login, Alarm Acknowledgement and Alarm Suspension While Service Is Performed
- No Programming Required - Field Configurable via Windows Point-N-Click Configuration Utility

## Specifications:

Input Power: 120VAC / 24VDC

Backup Power: 12VDC Battery

Inputs: 8 - 16 120VAC or 24VDC

Outputs: 6 - 14 Dry Contact Relay

Analog Inputs: 4 0-20ma, 4-20ma, 0-10VDC

Analog Outputs: 2 0-20ma, 4-20ma

Communications: 2 - RS232 Serial Ports w/ Optional Modbus TCP/IP Ethernet Port.

Removable Terminal Wiring Connections

Operating Temp: -20 to + 140F

Humidity: 5% RH to 95% RH non-condensing

Enclosure: 16" X14" X10" NEMA 4, Non-Metallic



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ChaseNet SCADA Dedicated RTU2000



Operator Security Card: On-Site Login, Alarm Acknowledgement and Alarm Suspension While Service To RTU Is Performed

The ChaseNet system is a totally integrated, fully automated, remote control and monitoring solution. Suitable for use as a stand alone system or perfect for incorporating into any existing SCADA system.

The RTU2000 utilizes the CC2000 dedicated application controller with all the power of a custom programmed PLC, in a user-friendly configurable platform. Chase Controls dedicated controllers, are designed and preprogrammed with multiple water and wastewater applications, ranging from simple pump / wet well control to complex water plant filter control, all in a single compact footprint.

ChaseNet is advanced, supporting redundant communication topologies such as conventional radio, cellular, and satellite simultaneously.

No programming required, a user-friendly Point-N-Click configuration utility provides easy access to the RTU's many features.

ChaseNet RTU's utilize industry standard Modbus RTU/TCP communication protocols, allowing easy interface to most all existing SCADA systems.

## Features:

- 120 VAC or 24 VDC Power , Solar compatible
- Battery Backed Up with Charging Circuit and Power Fail Alarm
- Simultaneous Radio, Cellular or Satellite Communication
- Monitor and/or Control: Lift Stations, Tanks, Wells, PRVs, Flow Meters, Level, Starts & Runtimes, Booster Stations, Pressure, Residual Chlorine, Turbidity, Water Filter and many more
- PID control for 1-6 pumps, valves, or chemical pacing
- Complete Stand Alone SCADA RTU or Alarm Monitor
- When connected to ChaseNet SCADA network, received alarm notification anywhere via text, email, or text to voice phone calls
- 4" Mono or 6" Color Operator Interface Display Available
- Expandable Input / Output and Communication Modules Available
- Integrated Watchdog Timer
- Modbus RTU / TCP Communication Protocol
- Operator Security Card: On-Site Login, Alarm Acknowledgement and Alarm Suspension While Service Is Performed
- No Programming Required - Field Configurable via Windows Point-N-Click Configuration Utility

## Specifications:

Input Power: 120VAC / 24VDC

Backup Power: 12VDC Battery

Inputs: 20 - 52 120VAC or 24VDC

Outputs: 16 - 48 Dry Contact Relay

Analog Inputs: 4 - 8 0-20ma, 4-20ma, 0-10VDC

Analog Outputs: 2 - 4 0-20ma, 4-20ma

Communications: 2 - RS232 Serial Ports w/ Optional Modbus TCP/IP Ethernet Port.

Removable Terminal Wiring Connections

Operating Temp: -20 to + 140F

Humidity: 5% RH to 95% RH non-condensing

Enclosure: 16" X14" X10" NEMA 4, Non-Metallic