

PRODUCT DATA

Water/Wastewater



**EAGLE RESEARCH
CORPORATION**

The field RTU equipment (Tank RTU, Booster pumps RTU or Lift station RTU) consists of Eagle Research Corporation's XARTU/1 processor board, keypad and display, power supply, 12 to 24 volt DC to DC converter for transmitter power, fuses, battery, optical isolation modules for digital connections, surge protection, and communication equipment. (e.g for wireless - radio, and antenna). The XARTU can be housed in a fiberglass or metal enclosure, depending on application requirements. Eagle also has it's own in-house UL 508A Industrial Control Panel Fabrication Shop.

The XARTU/1 Remote Terminal Unit (RTU) is a member of the Eagle Research XA Series family of products. It is an intelligent, compact, rugged, and reliable industrial computer designed for real-time remote data acquisition and control applications. It can execute multiple processes, including tasks such as complex math functions, control algorithms, etc., without host intervention.



Flexibility and reliability were the major factors in the XARTU/1 design philosophy. The XA Series of products feature flexible memory, I/O, power and communications schemes including support for HEX-ASCII, MODBUS, and various other customer protocols upon request. A harsh environment tolerance is another of the XARTU/1 strengths. The operating temperature can range from -40°C to 70°C. The XARTU/1 is normally powered from a 7-30 VDC supply and the RTU employs a low-power CMOS design.

The operator interface can be as simple as a two-line, 32-character liquid crystal display or as sophisticated as an 8-line graphical display, coupled with a 25-key keypad with 10 user-definable keys. This allows users to locally examine, and change process data and diagnose problems without a remote host or terminal.

Talon™ Family

SCADA Software for water/waste water applications.

XARTU/1 for Water

Tank RTU

Monitor up to 3 Tank Levels

Booster Pumps RTU

Monitor/Control up to 3 pumps with remote Tank level

XARTU/1 for Wastewater (Sanitary)

Lift Station RTU

Monitors/control up to 4 pumps for a lift station



Eagle Research Corporation is dedicated to meeting the needs of the Water/Wastewater industries by providing quality products and professional services. We are uniquely positioned as a complete turnkey provider of SCADA solutions and are widely recognized in the industry as a premier manufacturer of Remote Terminal Units (RTUs) & integrated telemetry systems.