

SCADA Brochure Informations

Introduction

Supervisory Control And Data Acquisition (SCADA) is a system that enables users to take complete control of complex machines and processes. The **D1003** SCADA system developed by Datasoft Manufacturing & Assembly Inc. Ltd. (DMA) ensures uninterrupted data transfer from water pump stations to the remote dashboard and controls a highly sophisticated **Variable Frequency Control (VFD)** machine responsible for pumping water.

The SCADA system mainly consists of an RTU, peripheral I/O, touch-screen display, and industrial GSM router. All of the components are secured inside an IP64 compact enclosure. Our system is suited for a wide range of applications and different protocols. It can also be integrated into any existing system.

Features

- Quad-core Cortex-A72 Processor with 64-bit SoC @ 1.5GHz
- IP64 Enclosure
- Isolated input and output
- 7" TFT touch display
- Built-in relays
- Chlorine flow control mechanism
- 8 peripheral I/Os
- Remote VFD ON/OFF and frequency control
- Level, Pressure, and Chlorine flow sensor
- Built-in Automatic Meter Reading (AMR) feature
- Realtime update on the web-dashboard
- Historical data and trends
- Remote configuration feature
- UPS for uninterrupted service
- Daily, weekly, and monthly report generation

Specifications

- Processor: Quad-core Cortex-A72
- RAM: 8GB
- SD card slot: 32GB
- GSM Router: 4G, LTE, GPRS 850 / 900 / 1800 / 1900 MHz
- Power Supply: 220V, max 3A
- Battery: 12V, 7Ah
- UPS type: Online
- Communication Options: RS485 Modbus RTU, TCP/IP, I2C, SPI
- Ports: RJ45, UART, and HDMI
- ADC Resolution: 10-Bit
- Sampling Rate: 1MHz
- Working temperature: -20°C to 65°C

Photos

https://drive.google.com/drive/folders/1q_Pos3egCmLo7xSdx1fr5Pn8I2hHb4Aj