WebOP-2000G

Industrial Data Gateway with WebAccess/HMI

NEW

WebAccess/HMI

RoHS COMPLIANT 2002/95/EC   CCC   CE   FCC   c(UL)us LISTED E180881 L72L

Features

- Supports over 450 PLC communication protocols
- Dual power inputs with backup to shorten down time for power fail
- Backup Memory SRAM in 128KB for retaining critical data
- Remote monitoring function through VNC viewer on iOS, Android, Windows, Mac OS devices
- Supports watchdog function setting from WebAccess/HMI Designer to reboot periodically and prevent from shutdown
- Supports WebAccess/HMI Designer development tool on Windows XP/Vista/7/10
- Easily accessible SD slot with 1GB industrial grade SD card included
- RISC 32 bit ARMR A9 processor up to 200MHz with 64MB memory
- 1 x LAN, 1 x RS-232, 1 x RS-232/485, 1 x RS-232/422/485, 1 x USB1.1 (host), 1 x USB 2.0 (client)

Introduction

WebOP-2000G is an industrial data gateway, including WebAccess/HMI Runtime and 1GB industrial grade SD card for data storage. This gateway features dual power inputs to shorten the downtime to enhance operation stability. WebOP-2000G equipped with versatile I/O interfaces that can easily connect PLCs, controllers, I/O devices and PC/Server for data transmission. User can edit programs on PC/laptop through WebAccess/HMI Designer and execute on built-in WebAccess/HMI Runtime for data acquisition, exchange and uploading. This user-friendly, reliable solution is able to collect production data completely for analysis to increase efficiency significantly and optimize the manufacturing.

Specifications

General

- **Certifications** — CE, CCC, UL, FCC Class A
- **Dimensions (W x H x D)** — 29 x 98.6 x 150.3mm (1.14" x 3.88" x 5.92")
- **Operating System** — RTOS
- **Power Input Voltage** — 12-30V_{DC}
- **Power Consumption** — 5W
- **Enclosure Housing** — Alumium
- **Mounting** — DIN-rail, Wall-Mount
- **Weight (Net)** — 0.4 kg (0.88 lbs)

System Hardware

- **CPU** — RISC ARM9 32Bit, 200MHz
- **Battery Backup Memory** — 128KB
- **Flash Memory** — 8MB
- **RTC Battery** — Yes
- **LED Indicators** — PWR1/ PWR2
  COM1/ COM2/ COM3
  RUN/ STATUS1/ STATUS2

Communication Interface

- **COM1** — RS-232/422/485 (DB9 Female)
- **COM2** — RS-232/485 (3-Pin Terminal, by DIP switch)
- **COM3** — RS-232 (3-Pin Terminal)
- **Ethernet** — 10/100Mbps (2 x RJ45 with daisy chain technology)
- **I/Os** — USB Client — Yes
  USB Host — Yes
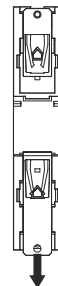 SD Slot — Yes (with 1GB industrial grade SD card included)

Environment

- **Operating Temperature** — -20 ~ 60°C (-4 ~ 140°F)
- **Storage Temperature** — -25 ~ 75°C (-13 ~ 166°F)
- **Humidity** — 10 ~ 90% RH @ 40°C, non-condensing
- **Shock Protection** — Operating, IEC 60068-2-27, 10G, half sine, 11 ms
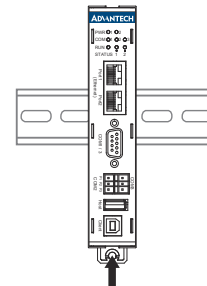- **Vibration Protection** — Operating, IEC 60068-2-64, 1Grms, random, 5 ~ 500 Hz, 1hr/axis

Installation Scenario
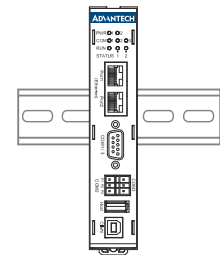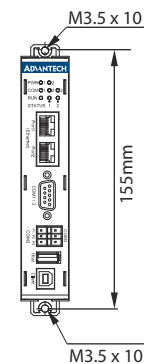
DIN-Rail Mounting
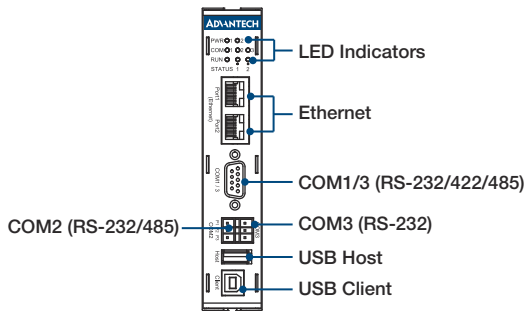
Step1   Step2   Step3

Wall Mount

Step1   Step2

M3.5 x 10

155mm

M3.5 x 10

Dimensions

Unit: mm

I/O Views

Front

- LED Indicators
- Ethernet
- COM1/3 (RS-232/422/485)
- COM3 (RS-232)
- USB Host
- USB Client

COM2 (RS-232/485)

Left

COM2 DIP Switch

Right

Fixed Locks for DIN-Rail

Top

- Fixed Locks for DIN-Rail
- FG
- Power Connector

Bottom

- Battery Switch
- SD Slot
- Mode Switch
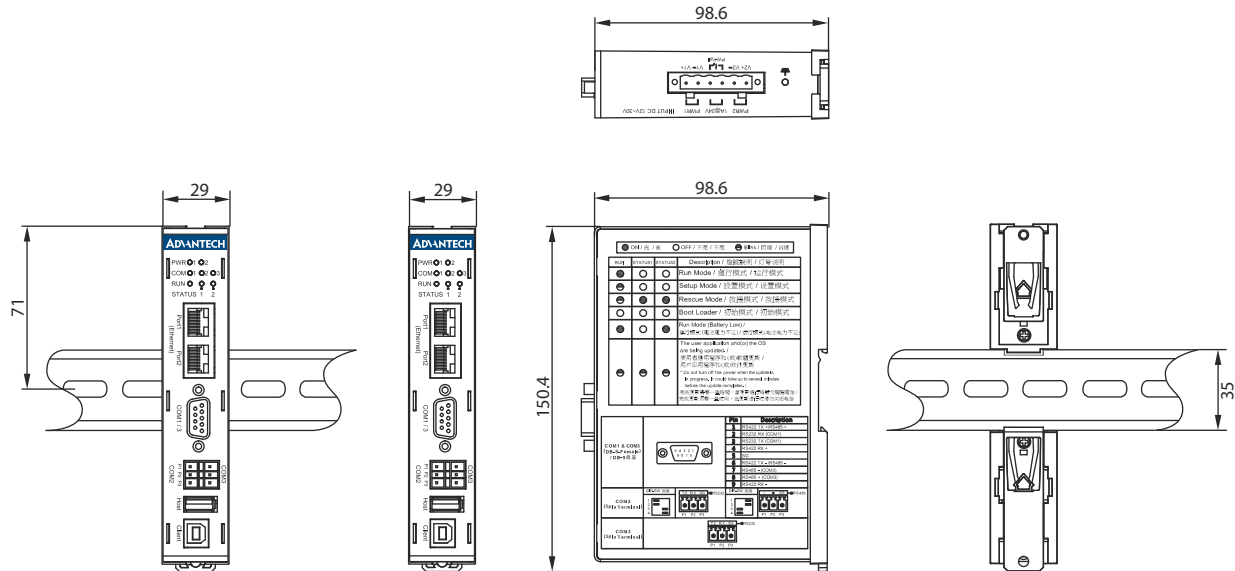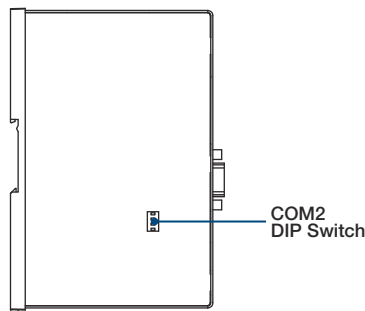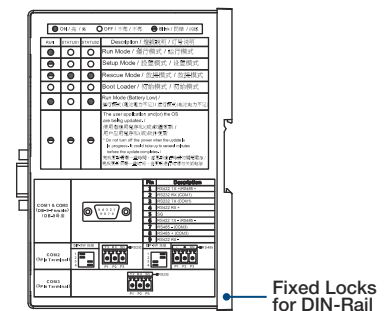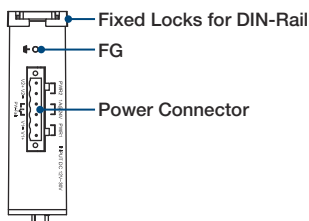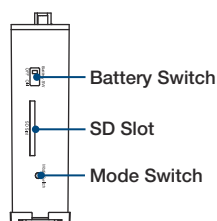
Ordering Information

- **WOP-2000G-N2AE**   ARM A9, 64MB (SDRAM), 8MB (NOR), Ethernet, 1GB SD card, WebAccess/HMI Runtime

Optional Accessories

Adapters & Power cords:

- **PWR-247-CE**   ADP A/D 100-240V 60W
- **1702002600**   Power Cable US Plug 1.8 M
- **1702002605**   Power Cable EU Plug 1.8 M
- **1702031801**   Power Cable UK Plug 1.8 M
- **1700000596**   Power Cable China/Australia Plug 1.8 M

Development Tool

WebAccess/HMI Designer V2.1

http://www.advantech.com/industrial-automation/webaccess/download