

WebOIT-60S

Web-enabled Operator Interface Terminal with 5.7" QVGA STN Display



Features

- 5.7" QVGA color STN LCD
- Super slim and compact design with lightweight ABS plastic housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Remote manageability
- Built-in flash memory and Windows® CE .NET OS
- One CompactFlash® slot
- Automatic data flow control RS-485
- Advantech Studio Runtime Software pre-built (4000 tags)

Introduction

WebOIT-60S is a compact platform without redundant functions, which have been designed for small-sized operator interface applications. It has a 5.7" STN LCD display which is a cost effective choice for a limited budget. Its RISC kernel, the Samsung® ARM9 processor, consumes minimum power without sacrificing performance. WebOIT-60S has a 10/100Base-T Ethernet port offering solid communication, and comes bundled with a Windows® CE .NET OS that supports thin client solutions. The built-in Windows® CE .NET OS platform lets WebOIT-60S become an open HMI solution for system integration.

Specifications

General

- **Certifications** BSMI, CCC, CE, FCC, UL
- **Dimensions (WxHxD)** 195 x 148 x 44.4 mm (7.68" x 5.83" x 1.75")
- **Enclosure** ABS
- **Mounting** Panel
- **Power Consumption** 15 W
- **Power Input** 24 V_{DC}
- **Weight (Net)** 0.8 kg (1.76 lb)

System Hardware

- **CPU** 266 MHz, Samsung® ARM9
- **LAN** 1 x 10/100Base-T (RJ-45)
- **Memory** 64 MB SDRAM on board
- **Serial Ports** 2 x Full RS-232; 1 x 4-pin RS-232/ RS-485
- **Storage** 64 MB flash memory on board
1 x CompactFlash® slot
- **USB** 2 x USB V1.1 ports (1 x host, 1 x client)
- **VGA** Controlled by CPU
- **Watchdog Timer** System type. Programmable as 250 ms, 500 ms, or 1 second

LCD Display

- **Backlight Life** 40,000 hrs
- **Contrast Ratio** 1:35
- **Display Size** 5.7"
- **Display Type** QVGA STN LCD (See TPC-60S)
- **Luminance** 201 cd/m²
- **Max. Colors** 256
- **Max. Resolution** 320 x 240
- **Pixel Pitch (HxV)** 0.36 x 0.36 mm
- **Viewing Angle** 110°

Touchscreen

- **Lifespan** 10 millions times with a silicone rubber of 8 mm diameter finger
- **Light Transmission** 75% (Min.)
- **Resolution** 1024 x 1024
- **Type** 4-wire, resistive

Environment

- **Humidity** 10 ~ 95% @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4/IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122 °F)
- **Storing Temperature** -20 ~ 70° C (-4 ~ 158 °F)
- **Vibration Protection** 1 Grms (5 ~ 500 Hz)

Software Specifications

- **Operating System** Windows® CE .NET
- **Pre-built Servers** Web Server, FTP Server, Telnet Server, Remote Access Server (RAS)
- **HMI Functions** Advantech Studio CE Runtime with:
4000 tags (default), 100+ built-in PLC drivers (up to 3 running simultaneously), 8 simultaneous web clients, OPC Client and Server, Email (SMTP) Integration, Fully featured dynamic graphics with object library, Alarming, Trending, Reporting features, Scripting Language with 100+ standard functions, Recipes (ASCII and XML formats), Remote project management including online editing, Multi-level security for use over Intranet and Internet

Ordering Information

- **WebOIT-60SN-E1** Web-enabled Operator Interface Terminal with 5.7" QVGA STN Display
- **PS-DC24-50** 50 Watts 24 V_{DC} output, 110 V/220 V_{DC} 50/60 Hz input power adapter
- **AS1500-CD60** AStudio Development Kit for Windows® CE (1500 tags)
- **AS4000-CD60** AStudio Workstation Development Kit for Windows® CE (4000 tags)