UNO-1019

PXA 200MHZ, 64 MB SDRAM, 2 x LAN, 4 x COM,1 x CF DIN-rail Fanless Box PC

NEW

Features

- Intel® XScale PXA-255 200 MHZ Processor
- 64 MB SDRAM on board, 16 MB Flash
- 2 x RS-232, 2 x RS-232/422/485 Serial Ports
- Dual 10/100 Mbps Ethernet
- 1 x CompactFlash®
- 4-ch DI/Os
- 3-ch LEDs (User Defined)
- Windows®CE.NET Ready Platform
- Included Remote Display for Easy Configuration
- Fanless, Compact and Lightweight Design
- 0 ~ 70° C Temperature Operation
- DIN-rail and Wallmounting Options
- Optional Serial Isolation Protection

RoHS COMPLIANT 2002/95/EC   CE   FCC

Introduction

Advantech's UNO-1019 is a RISC-grade embedded platform that offers 2 LANs, 4 serial ports and 4 Digital Inputs/Outputs and a CompactFlash card. UNO-1019 also comes with Windows CE.NET OS, offering a pre-built image onboard. Additionally, UNO-1019 operates under 0 ~ 70°C, and its small size and lightweight design allows it to be installed in tight industrial environments. UNO-1019 is an excellent communication gateway for converting communication protocosl, I/O control, and data storage in the industrial field.

Specifications

General
- **Certifications**   CE, FCC Class A
- **Dimensions (WxHxD)**   46 x 162 x 126 mm
- **Enclosure**   ABS+PC with solid mounting hardware
- **Mounting**   DIN-rail, wallmount
- **Power Requirement**   8.5 W
- **Power Input**   13 W (10 ~ 30 Vdc)
- **Weight**   400 g

System Hardware
- **CPU**   32-bit Intel XScale PXA255 200 MHz
- **Memory**   64 MB SDRAM
- **Indicators**   Power, Serial (Tx, Rx), 3 x User Defined LEDs
- **Storage**   Onboard 16 MB Flash Memory
- **Other**   Realtime clock, Watchdog timer

System Software
- **Operating System**   Windows CE.NET 4.2 (Pre-installed on flash)
- **Remote Display**   uScope Remote Display

Communications
- **Serial Ports**   2 × RS-232, 2 x RS-232/422/485 with DB9 connectors, Automatic RS-485 data flow control
- **Serial Port Speed**   RS-232: 300 ~ 115.2 kbps
  RS-422/485: 300 ~ 115.2 kbps
- **LAN**   2 x 10/100 Base-T RJ-45 ports

DI/O
- **Digital Inputs**   2 x Digital Inputs
  Dry contact
  - Logic level 0 : Open
  - Logic level 1 : Close
  Wet contect
  - Logic level 0: +3V max
  - Logic level 1: +10VDC to 30VDC
- **Digital Outputs**   2 x Digital Outputs
  Open Collect to 30V
  200mA max Load, power dissipation 450mW

Environment
- **Operating Temperature**   0~70° C (32~158° F)
- **Storage Temperature**   -20 ~ 80° C (-4 ~ 176° F)
- **Operating Humidity**   20 ~ 95% (non-condensing)
- **Storage Humidity**   0 ~ 95% (non-condensing)

Ordering Information

- **UNO-1019ACE-A1E**   PXA 200MHZ, 64 MB SDRAM, 2xLAN, 4xCOM,1xCF DIN-rail Fanless Box PC

All product specifications are subject to change without notice   Last updated: 02-Oct-2006