

# UNO-1019

Intel® XScale® UNO w/2 x LAN,  
4 x COM, CF Card

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®
- Windows® CE.NET Ready Platform
- Included Remote Display for Easy Configuration
- DIN-rail and Wallmounting Options

## 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 protocols, I/O control, and data storage in the industrial field.

## Specifications

### General

- **Certifications** CE, FCC Class A
- **Dimensions (W x H x D)** 46 x 162 x 126 mm (1.8" x 6.4" x 5")
- **Enclosure** ABS+PC with solid mounting hardware
- **Mounting** DIN-rail, wallmount
- **Power Consumption** 8.5 W
- **Power Input** 10 ~ 30 V<sub>DC</sub> (13 W), AT
- **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** Scope Remote Display

### Communications

- **Serial Ports** 2 x 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

### Digital Input/Digital Output

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

### 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** Intel XScale UNO w/2 x LAN, 4 x COM, CF Card, Windows CE .NET 4.2