



RFID Edge Computer with Integrated Software for Compliance/Closed Loop

Features

- ◆ Onboard Celeron® 400 MHz, 256 MB SDRAM
- ◆ Two RS-232 and two RS-232/422/485 ports with automatic flow control.
- ◆ Two 10/100Base-T RJ-45 ports, Two USB and one type I/II PC Card
- ◆ Windows® XP Embedded (SP2) Platform with write protection (EWF)
- ◆ Meets compliance requirements for pallet/singulated carton/case verification
- ◆ Supports multiple operation modes like ship, receive, verify, divert, idle
- ◆ Flexible configuration via XML enables business workflow customization
- ◆ Integrates easily with host applications, SQL databases, and web service
- ◆ Reads/decodes the entire set of pallet and case tags at the network edge
- ◆ Enables sophisticated exception; (i.e. missing pallet tag, wrong dock door)
- ◆ Creates single portal scan events instead of a flood of individual tag reads
- ◆ Works with PrintTrax™, SCI's compliance label printing solution
- ◆ Works with MasterTrax™, SCI's enterprise RFID management solution

Introduction

OnTrax is a high-performance Pentium III grade controller that supports PC/104 extensions, serial communication ports and several other networking interfaces. This edge computer supports Windows XP Embedded OS, which offers a pre-configured image with optimized onboard device drivers. Windows XP Embedded delivers the power of the Windows operating system in componentized form. SCI has integrated its applications into Windows XP Embedded and speed up application development with Traxware® ready platform that can provide a rich networking interface to fulfill diverse requirements in the RFID business space..

General <ul style="list-style-type: none"> ● Certifications CE, FCC class A, UL ● Dimensions (WxDxH) 255 x 152 x 50 mm (10" x 6.0" x 2.0") ● Enclosure Aluminum ● Mounting Wall ● Power Consumption 22 W (Typical) ● Power Input Min. 48 W (9 ~ 36 V_{DC}), (e.g. +24 V @ 2 A) 1.6 ● Weight kg ● OS Support Windows® XP Embedded, Windows® 2000/XP, Windows® CE .NET 5.0, Linux 		Communications <ul style="list-style-type: none"> ● 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: 50 ~ 115.2 kbps RS-422/485: 50 ~ 921.6 kbps (Max.) ● LAN 2 x 10/100 Base-T RJ-45 ports ● USB Ports 2 x USB, UHCI, Rev. 1.1 compliant 	
System Hardware <ul style="list-style-type: none"> ● CPU Celeron® 400 MHz Ultra low-voltage version ● Battery Backup RAM 512 KB ● Indicators LEDs for power, IDE, alarm for RAM backup battery ● Keyboard/Mouse 1 x PS/2 ● Memory One slot with: 256 MB SDRAM ● PC Card 1 x PC Card slot, supports CardBus (Card-32) Card and 16-bit (PCMCIA 2.1/JEIDA4.2) card Supports +5, +3.3 and +12 V @120 mA working power ● PC/104 2 x PC/104 slots (optional). Supports +5V power ● Printer Port 1 x printer port (parallel) ● Storage SSD: 1 x internal type I/II CompactFlash® slot HDD: extension kit for one standard 2.5" HDD ● VGA DB15 VGA connector 		Discret I/O <ul style="list-style-type: none"> ● Inputs 8—Opto-isolated ● Outputs 8 dry contact—0-24 volt Power <ul style="list-style-type: none"> ● AC 110 v ● DC 9—36 VDC ● Battery Backup yes RFID Readers Supports most major Active and Passive Readers on the market today.	
Environment <ul style="list-style-type: none"> ● Humidity 95% @ 40° C (non-condensing) ● Operating Temps -10~50° C (14~122° F) ● Shock Protection IEC 68 2-27 CompactFlash®: 50 G @ wall mount, half sine, 11 ms HDD: 20 G @ wall mount, half sine, 11 ms IEC 68 2-64 (Random 1 Oct./min, 1hr/axis.) CompactFlash®: 2 Grms @ 5 ~ 500 Hz, ● Vibration Protection 		System Concepts, Inc. www.sysconcepts.com One Piedmont Centre, Suite 110 336-454-7122 (o) 4000 Piedmont Parkway 336-454-7125 (f) High Point, NC 27265 336-454-7737 (h)	

All product specifications are subject to change without notice.

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