
ACC/Cable/SER/DTE

Installation Guide

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About this Manual

Overview of Contents

This manual is divided into the following chapters and appendices.

Chapter 1, Introduction on page 9 provides a brief introduction to ACC/Cable/SER/DTE.

Chapter 2, Using the Cable on page 11 describes how to use the cable and its connectors.

Abbreviations

This document uses the following abbreviations:








Abbreviation	Definition
AdvancedTCA	Advanced Telecom Computing Architecture
RoHS	Restriction of the use of certain hazardous substances in electrical and electronic equipment

Conventions

The following table describes the conventions used throughout this manual. .

Notation	Description
0x00000000	Typical notation for hexadecimal numbers (digits are 0 through F), for example used for addresses and offsets
0b0000	Same for binary numbers (digits are 0 and 1)
bold	Used to emphasize a word
Screen	Used for on-screen output and code related elements or commands. Sample of Programming used in a table (9pt)
Courier + Bold	Used to characterize user input and to separate it from system output
<i>Reference</i>	Used for references and for table and figure descriptions
File > Exit	Notation for selecting a submenu
<text>	Notation for variables and keys
[text]	Notation for software buttons to click on the screen and parameter description
...	Repeated item for example node 1, node 2, ..., node 12

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Notation	Description
.	Omission of information from example/command that is not necessary at the time
..	Ranges, for example: 0..4 means one of the integers 0,1,2,3, and 4 (used in registers)
	Logical OR
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury
	Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury
	Indicates a property damage message
	Indicates a hot surface that could result in moderate or serious injury
	Indicates an electrical situation that could result in moderate injury or death
<p data-bbox="272 1286 388 1338">Use ESD protection</p> 	Indicates that when working in an ESD environment care should be taken to use proper ESD practices
	No danger encountered, pay attention to important information

Summary of Changes

This manual has been revised and replaces all prior editions.

Part Number	Publication Date	Description
6806800B75A	September 2006	First edition
6806800B75B	March 2008	Update to Emerson Style (Logo, Copyright etc.)
6806800B75C	November 2014	Re-branded to Artesyn template.
6806800B75D	October 2019	Rebrand to SMART Embedded Computing template.

About this Manual

Introduction

1.1 Overview

The ACC/Cable/SER/DTE contains a cable of 2m lengths that provides a female Micro DSub9 and a female DSub9 connector. You can use the ACC/Cable/SER/DTE in conjunction with blades that contain a male Micro DSub9 connector on their face plate to connect a terminal, for example a notebook, to the blade. You can use the terminal to access the system in which the blade is installed.

The cable has been designed to meet the directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) directive 2002/95/EC.

Using the Cable

2.1 Requirements

This accessory kit is designed to be used in conjunction with blades that contain a male Micro DSub9 connector on their face plate. You may use this cable to connect a terminal, for example a notebook, to the blade. The signals are crossed within the cable. If the data transfer is not working correctly after installing the cable, you may need an external null modem adapter to establish a cross-connection between the terminal and the blade.

If the notebook does not provide a serial interface via a male DSub9 connector but via an USB interface, you may need an USB-to-DSub9 adapter as well.

2.2 Connecting the Cable

To connect the cable

Use ESD
protection



Product Damage

Electrostatic discharge can damage circuits or shorten their life time.

Before touching boards or electronic components, make sure that you are working in an ESD-safe environment.

1. Connect Micro DSub9 connector of cable to serial interface of blade
2. Connect DSub9 connector of cable to DSub9 connector of terminal, for example notebook

2.3 Disconnecting the Cable

To disconnect the cable

Use ESD
protection



Product Damage

Electrostatic discharge can damage circuits or shorten their life time.

Before touching boards or electronic components, make sure that you are working in an ESD-safe environment.

1. Disconnect DSub9 connector from terminal, for example notebook
2. Disconnect Micro DSub9 connector from serial interface of blade

2.4 Connectors

The cable provides the following signals on the DSub9 and the MicroDSub9 connectors.

Figure 2-1 Micro DSub9/DSub9 Connector Pin Assignment

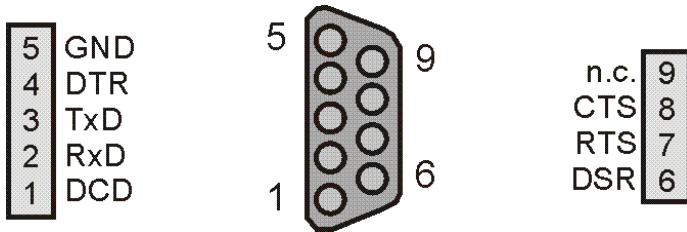


Figure 2-2 Signal Routing within Cable

