

# Kun til intern brug

Title:

RC3600 SOFTWARE MANUAL SURVEY  
VERSION 1

 **REGNECENTRALEN**

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**Abstract:** This publication serves as a quick reference for information about RC3600 software manuals, reference cards and coding sheets. Each item is signified by an RCSL number, day of issue, author, title and an abstract. All manuals, in current use, intended for operators, users and programmers are included as well as manuals describing hardware for system programmers and related sales promotional literature. All items are grouped after applications.

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## FOREWORD

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This publication supersedes the RC3600 SOFTWARE MANUAL KEY, VERSION 0, RCSL: 43-GL 3099, More information about each manual are included together with a new section containing hardware reference manuals.

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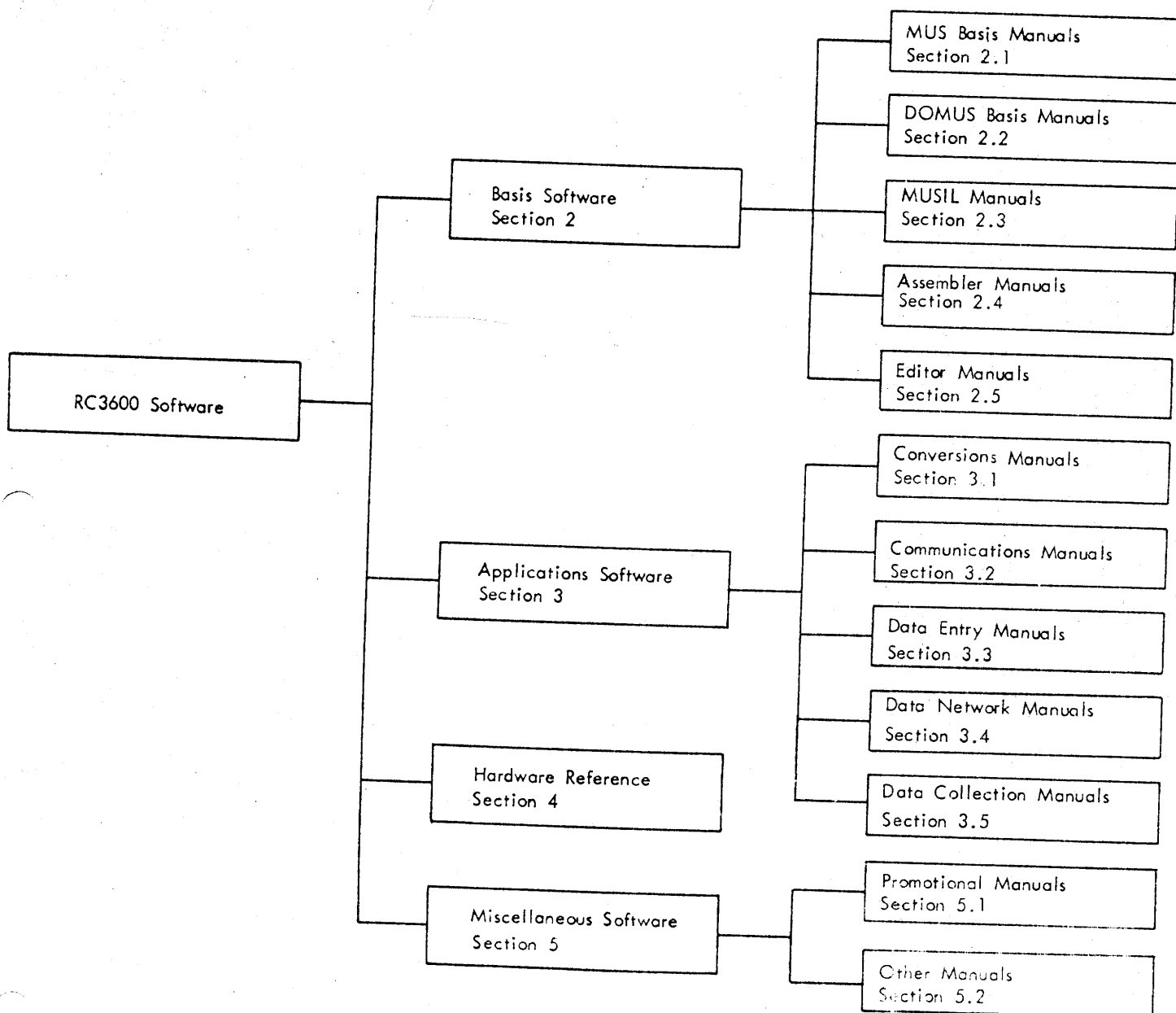
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## 1. INTRODUCTION.

The purpose of this manual is to give a quick reference to RC3600 Software Manuals. In this publication the term manual has become an extended meaning, where reference cards and programming forms are understood, too. The manuals are grouped after applications. The chart below gives the structure of the manual.



Each manual is described as the example shown below. First the RCSL number which identifies the manual followed by the day of issue and the initials of the author. Next, underlined, the title of the manual, and lastly an abstract of the manual.

RCSL: 43-RI 0165, July 1976, PG

DOMUS, User's Guide, Part 1

This manual describes the disc operating system DOMUS for the RC3600 line of computers.

The order of the manuals in a section is of no importance, but a certain structure of the types of manuals might be seen. RC has decided mainly to produce three types of software manuals. Operating Guides, User Guides and Programming Guides.

The Operating Guides contain information about how to operate the system when real production is performed as well as information about how to use the more sophisticated operating possibilities.

The User Guides describe among others the data formats and how the user may take advantage of the system. From application to application the user group may differ very much from one to another. The user of e.g. a communication terminal is the one who is planning the jobs to be executed and that the data formats between the host, terminal, pre and/or post processing are in harmony, whereas the user of a data entry system is the person using the data entry facilities from a display terminal.

The Programming Guides contain information about how to use the programming facilities of the system.

In the sections for MUS Basic and DOMUS Basis common manuals may be seen. Common manuals are listed in both sections while they are relevant to both applications.

## 2. BASIS MANUALS

### 2.1 MUS Basis Manuals

RCSL: No number, August 1974

RC3600 Operator's Guide, Revision 0

RCSL: 44-RT 1306, August 1976, TG/APR

MUS System Introduction and MUS Programmers Guide

This manual is intended to function as an introduction and guide to the Multiprogramming Utility System. If actual programming is to be performed, MUS Programmers Guide should be consulted to get formats and examples of use.

RCSL: 44-RT 1307, September 1976, DHA

RC3600 Drivers Reference Manual

This manual contains descriptions of all standard Driver Processes available in the RC3600 MUS-system.

RCSL: 43-RI 371, July 1976, JL

The Coroutine-Monitor for RC3600

The Coroutine-Monitor is a set of procedures for the RC3600, the purpose of which are to ensure synchronization and exchange of data between coroutines in a process in a MUS-Multiprogramming System.

2.2 DOMUS Basis Manuals

RCSL: No Number, August 1974

RC3600 Operator's Guide, Revision 0

RCSL: 43-RI 150, December 1976, PG

RC3600 Paging System, Operating Guide

This manual describes how to operate the MUS Paging System, and lists the program modules accessible.

RCSL: 43-RI 165, July 1976, PG

DOMUS User's Guide, Part 1

This manual describes the disc operating system DOMUS for the RC3600 line of computers.

RCSL: 44-RT 1306, August 1976, TG/APR

MUS System Introduction and MUS Programmers Guide

This manual is intended to function as an introduction and guide to the Multiprogramming Utility System. If actual programming is to be performed, MUS Programmers Guide should be consulted to get formats and examples of use.

RCSL: 44-RT 1307, September 1976, DHA

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RCSL: 43-RI 371, July 1976, JL

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RCSL: 43-RI 164, February 1976, PG

DOMUS System Programmer's Guide

This manual describes the interface between assembly program and DOMUS.

RCSL: 44-RT 1278, 76.04.01. HKM

RC3600 File System, System Programmer's Guide

This manual describes how to use the RC3600 file system from Assembler programs. The user must be familiar with the MUS system.

RCSL: 43-RI 142, October 1975, PG

RC3600 Pagings System, System Programmers Guide

This manual describes how to use the RC3600 paging system from assembly programs under the MUS-system.

2.3 MUSIL Manuals

RCSL: 43-GL 1349, October 1975, APR/PO

MUSIL COMPILER, Operators Guide

Compiler Guide, Operators Guide.

RCSL: 42-i 344, March 1976, JOR

MUSIL Programming Guide, Revision 1

This manual shows how to program an RC3600 in the MUSIL high-level language.

RCSL: 42-i 373, October 1976

RC3600 MUSIL Programmers Reference Card

RCSL: 43-GL 3276, 76.10.19., DHA

Disc File Control Procedures in MUSIL

This manual is an appendix to the RC3600 MUSIL Programming Guide (RCSL: 42-i 344) describing the MUSIL DISC FILE PROCEDURES used with the Catalog System CAT76. It should be used with the manual RC3600 File System, System Programmers GUIDE, RCSL: 44-RT 1278, which holds the total description of the file system.

2.4 Assembler Manuals

RCSL: 44-RT 820, 74.04.25, JBP

MUSIL Codeprocedures

Syntax Rules for MUSIL-procedures coded in assembler language, compilation, error description and example.

2.5 Editor Manuals

RCSL: 42-i 337, February 1976, JOR/CAMS/CT

RC3600 Text Editor Version Two

This manual describes the use of a text editor for creating, modifying, up-dating, and de-bugging MUSIL source code.

3. APPLICATIONS MANUALS

3.1 Conversions Manuals

RCSL: 42-i 332, November 1975

RC3600 Operator's Reference Card, Data Conversion System

### 3.2 Communications Manuals

RCSL: 43-GL 3052, August 1976, KLH

RC3600 System, IBM Multileaving HASP Workstation Program, Operating Guide

The IBM Multileaving workstation is a remote batch terminal used in connection with HASP, OS/VSI RES, ASP, and JES2/JES3. This publication tells how to operate the RC3600 System IBM Multileaving HASP Workstation Program, describing commands available and messages that may occur.

RCSL: 43-GL 3051, August 1976, KLH

RC3600 System, ICL 7020 Workstation Program, Operating Guide

The ICL 7020 workstation is a remote job entry terminal used in connection with ICL 1900 and System 4 terminal services. This publication tells how to operate the RC3600 System ICL 7020 Workstation Program, describing commands available and messages that may occur.

RCSL: 43-AA 004, May 1975, HEJ

ICL 7181 Simulation Package, Operator's Guide

This manual is intended as a guide when using the ICL 7181 simulator package. All commands and output are described.

RCSL: 43-GL 2404, February 1976, CNH

RC3600 Transmission Package, Version 0

This manual describes the chief purpose of the transmission package (Program Tape: P: 600-006) and the handling of the RC3600 Musil programs in the package. Program-handling examples are included in the manual.

RCSL: 43-GL 3098, September 1976, HKA

RC3600 System, CDC 200UT Terminal Program, Operating Guide

The CDC 200 User Terminal is a remote job entry terminal used in connection with SCOPE/EXPORT/IMPORT and SCOPE/INTERCOM. This publication tells how to operate the RC3600 System CDC 200 UT Terminal Program, describing commands available, messages that may occur, and typical terminal operations supported by the EXPORT/IMPORT 200 system.

RCSL: 43-GL 3094, August 1976, FVN

RC3600 System, IBM 3780 Power RJE Functions Terminal Program, Operating Guide

The IBM 3780 Power RJE Functions Terminal Program is used as a remote job entry program in connection with POWER and DOS/VS. The program supports a variety of peripherals including a card reader, printer, magnetic tape unit, card reader punch, and console. This publication tells how to operate the program, describing commands available, messages that may occur, and data formats.

RCSL: 43-GL 3093, August 1976, HKA

RC3600 System, IBM 2780 Terminal Program, Operating Guide

This publication tells how to operate the RC3600 System IBM 2780 Terminal Program, describing commands available, messages that may occur, and data formats.

RCSL: 44-RT 1260, April 1976, HKA

RC3600 IBM - BSC Magnetic Tape Supporting Programs, Operators Guide

The IBM - BSC Magnetic Tape Supporting Programs are used for transfer of data, file by file under full operator control to or from IBM central computers, IBM data communication terminals, and compatible equipments. This manual contains information about the common operator commands and operator messages. Furthermore it describes how to operate the terminal programs.

RCSL: 43-GL 3053, August 1976, KLH

RC3600 System, IBM Multileaving RES Workstation Program, Operating Guide

The IBM Multileaving workstation is a remote batch terminal used in connection with HASP, OS/VS1 RES, ASP, and JES2/JES3. This publication tells how to operate the RC3600 System IBM Multileaving RES Workstation Program, describing commands available and messages that may occur.

RCSL: 43-GL 3033, August 1976, KLH

RC3600 System, IBM Multileaving Workstation Programs, Users Guide

The IBM Multileaving workstation is a remote batch terminal used in connection with HASP, OS/VSI RES, ASP, and JES2/JES3. This publication describes the physical representation of data transmitted and received by the terminal, i.e. the formats of card and line images, when using the RC3600 System IBM Multileaving Workstation Programs.

RCSL: 44-RT 1261, April 1976, HKA

RC3600 IBM 2780 and Magnetic Tape, User's Reference

The RC3600 IBM and Magnetic Tape functions are implemented in the IBM 2780/2770 Compatible Magtape Terminal program. General information about how to operate this program is given in the RC3600 IBM-BSC Magnetic tape Supporting Programs, Operator's Guide. This manual describes the operating procedures that are special for this IBM 2780 data communication, and the data formats handled.

RCSL: 44-RT 1263, April 1976, HKA

RC3600 IBM 3780 and Magnetic Tape, User's Reference

The RC3600 IBM 3780 and Magnetic Tape functions are implemented in the IBM 3780 Compatible Magtape Terminal program. General information about how to operate this program is given in the RC3600 IBM-BSC Magnetic Tape Supporting Programs, Operator's Guide. This manual describes the operating procedures that are special for this IBM 3780 data communication, and the data formats handled.

RCSL: 44-RT 1262, April 1976, HKA

RC3600 IBM 2770 and Magnetic Tape, User's Reference

The RC3600 IBM 2770 and magnetic tape functions are implemented in the IBM 2780/2770 Compatible Magtape Terminal program. General information about how to operate this program is given in the RC3600 IBM-BSC Magnetic Tape Supporting Programs, Operator's Guide. This manual describes the operating procedures that are special for this IBM 2770 data communication, and the data formats handled.



RCSL: 44-RT 1005, January 1975, KLH/FVN

Introduction to IBM Multileaving Data Communication

Information about IBM Multileaving as used by HASP and RES connection with CPU equipped workstations like IBM 1130, IBM System 3, and IBM 360/20.

RCSL: 43-GL 3103, November 1976, HKA

Introduction to RC3600 IBM 2780 Terminal Program data communication procedure.

This document describes the line protocol of the RC3600 IBM 2780 Terminal Program. For other RC3600 Data Communication Programs, using the MUS-BSC or the MUS-2780P communication modules, the line protocol only will differ slightly, (e.g. maximal blocksize), and the programmer can use this manual as a guide here, too.

RCSL: 43-AA 073, September 1975, HEJ

ICL 7181 Simulation Package, Installation Manual

This manual describes the installation of the ICL 7181 Simulation Package.

RCSL: 43-AA 201, July 1976, HEJ

Program Description, ICA

This paper is a description of the ICA program in the ICL 7181 Simulator.

RCSL: 43-AA 202, August 1976, HEJ

Program Description, MATC

This paper is a description of the MATC program in the ICL 7181 Simulator.

RCSL: 43-AA 203, August 1976, HEJ

Program Description, STATISTICS

This paper is a description of the Statistics program in the ICL 7181 Simulator.

### 3.3 Data Entry Manuals

RCSL: 43-GL 2765, October 1976, CT

RC3600 Data Entry Release 1, Sort Program, Operating Guide

The Sort Program for RC3600 Data Entry Release 1 is developed in order to handle data batches with several record types forming units of various structure. This publication tells how to operate the Sort Program under the Data Entry Supervisor.

RCSL: 43-RI 605, November 1976, AA

RC3600 Data Entry Release 2, Users Guide, Part 1

This manual describes the entering of data from a keystation to a disc and the verification and editing of entered data. The manual also describes a Data Entry keystation display screen and keyboard.

RCSL: 43-RI 606, November 1976, PEJ

RC3600 Data Entry Release 2, Users Guide, Part 2

This manual describes the activities performed by the supervisor in a Data Entry system and includes the description of all standard Supervisor functions and programs.

RCSL: 42-i 278, March 1976

RC3600 Data Entry, Version 1, Messages Card

RCSL: 42-i 248, March 1975

RC3600 Data Entry System Operator's Reference Card

RCSL: 43-GL 2764, May 1976, CT

RC3600 Data Entry Release 1, Sort Program, Users Guide

The Sort Program for RC3600 Data Entry Release 1 is developed in order to handle data batches with several record types forming units of various structures. This publication is a guide in structuring Data Entry Batches, which are to be sorted. The sort description parameters are explained and examples of batch structures are shown. The Supervisor Programs concerned are: RC36-00282, RC36-00283, RC36-00284.

RCSL: 42-i 395, September 1976, AA/LISC/PEJ/BOL

RC3600 Data Entry Format Language Guide, Release 2

This manual contains a description of the format language, and instructions on the writing, translation and execution of format programs.

RCSL: 43-RI 363, 76.06.10., PEN

Data Entry Supervisor Programming Guide

Programming Rules, Description of Standard Code Procedures.

RCSL: 42-i 375

RC3600 Data Entry System, Table Coding Sheet (Double)

RCSL: 42-i 376

RC3600 Data Entry System, Tabel Coding Sheet (Single)

RCSL: 42-i 377

RC3600 Data Entry System, Subprogram Coding Sheet

RCSL: 42-i 380

RC3600 Data Entry System, Screen Layout (Sheet)

RCSL: 42-i 379

RC3600 Data Entry System, Format Coding Sheet

RCSL: 42-i 378

RC3600 Data Entry System, Image Coding Sheet

### 3.4 RC Data-Network Manuals

RCSL: 43-RI 162, January 1976, OKH

RCNET, RC3600 Local Devicecontroller for RC4000, Operators Guide,  
Preliminary Version

Describes operation of the RC3600, local devicecontroller and the devices connected to it.

RCSL: 43-RI 174, June 1976, ELI

RCNET, Device Control Protocol, (Reference Manual)

Describes the message protocol used in RCNET when one host controls devices at another host.

RCSL: 43-RI 260, March 1976, OKH

RCNET, User Defined Driver Programs in RC3600 Device Controller,  
Reference Manual.

This manual defines the standard interface between the Network Control Program, NCP, and user defined application programs of driver type.

RCSL: 31-D 355, October 1975, OKH/ELI

RC4000 - RC3600 Synchronous Communication Protocol (Danish Language)

The manual describes the standard for communication between RC4000 and RC3600 via a synchronous data communication line.

RCSL: 31-D 301, March 1974, OKH

Remote Terminal Station, Reference Manual

This manual contains the specifications of communication between RC4000 and remote terminalstations. A remote terminal station is a minicomputer used as controller for several peripheral devices.

RCSL: 31-D 372, September 1975, OKH

RCNET, General Description

The manual contains general information about the Computer Network RCNET.

RCSL: 31-D 354, February 1975, OKH

Network Control Program, General Description

The Network Control Program makes RC3600 run in RC-Data Network as a device controller, a network node or a remote terminal station.

RCSL: 43-RI 434, July 1976, OKH

RCNET, NCPTESTER, Operating Guide

Describes the use of the testprograms for test of NCP and related driverprograms.

3.5 Data Collection Manuals

RCSL: 43-GL 1553, June 1975, CT

Customer-Designed RC3600 Data Concentrator, Operator's Guide

This manual describes how to use the Customer-Designed RC3600 Data Concentrator. The user will find all commands to the system explained, and all output messages are also listed and explained.

RCSL: 43-GL 3032, September 1976, CT/JCO

Data Collection Package, Operators Manual (Fellesdata)

This manual is intended as a guide when operating the Fellesdata Data Collection Package. Danish Language.

4. Hardware Manuals

RCSL: 52-AA 541, September 1976, KNEH

Programmer's Reference Manual to RC3603 CPU, Revision 0

This paper describes the logical structure of the RC3603 Central Processor Unit.

RCSL: 44-RT 296, July 1974, BGM

RC3600 Programmer's Reference Manual, RC3632 Line Printer

This paper describes the logical structure of the RC3632 Line Printer for the RC3600 support system.

RCSL: 44-RT 354, March 1972, JFA

RC3600 Programmer's Reference Manual, RC3675 Paper Tape Reader

This paper describes the logical structure of the RC3675 paper tape reader for the RC3600 support system.

RCSL: 44-RT 503, July 1974, JØB

RC3600 Peripheral Devices, MTC304 Magnetic Tape System, Reference Manual

This paper describes the logical structure of the Magnetic Tape System to be connected to the NOVA Computer.

RCSL: 44-RT 515, September 1972, FBP/JFA

RC3600 Programmer's Reference Manual for OCP302 (Operator's Control Panel) connected to OPC 301 Controller

This paper describes the logical structure of the operator control panel for the RC3600 support system.

RCSL: 44-RT 616, December 1973, JEMI

SCC 702, Binary Synchronous Communications Controller, Programmers Reference Manual

This paper describes the features and the logical structure of the receiver and the transmitter in a binary synchronous communications controller, the SCC702.

RCSL: 44-RT 622, January 1973, AAJ

Telemultiplexer TMX 701, Programmers Reference Manual

This paper describes the logical structure of the Telemultiplexer, TMX701, for connection to the RC7000 computer.

RCSL: 44-RT 714, July 1973, JFA

RC3600 Programmer's Manual, RC3600 Card Reader Series

This paper describes the logical structure of the RC3600 Card Reader Serie.

RCSL: 44-RT 746, September 1974, UFL

DCA701 Reference Manual

This paper describe the function of Disk cartridge adapter and Disk cartridge drive.

RCSL: 44-RT 747, September 1974, UFL

DCC701, Reference Manual

This paper describe the logical structure of the disk cartridge controller for the CPU702 processor.

RCSL: 44-RT 792, August 1974, AAJ

Paper Tape Reader PTR500, Reference Manual

This manual contains information about principles of operation, specifications, installation, operation and maintenance. Diagrams and spare parts lists are also included.

RCSL: 44-RT 798, March 1975, JEMI

SMX701, Binary Synchronous Communications Multiplexer, Programmers Reference Manual

This paper describes the logical structure of the receivers and the transmitters in the binary synchronous communications controller SMX701.



RCSL: 44-RT 841, May 1974, HLJ

RC3600 Standard Parallel Controller, Reference Manual

Gives a mainframe description of the Standard Parallel Controller SPC701, connected to devices using Facit SPI interface.

RCSL: 44-RT 912, November 1974, BRT

IPC702 Incremental Plotter Controller, Reference Manual

This contains a description of the Incremental Plotter Controller IPC702.

RCSL: 44-RT 943, December 1974, HLJ

CTU702, Programmer's Reference

Programming of CTU702 when connected to Standard Parallel Controller SPC701.

RCSL: 44-RT 1076, July 1975, LMJ

Programmers Reference Manual LPT710 in connection with LPC702

This paper describes the logical structure of the LPT710 Line Printer and the LPC702 Controller.

RCSL: 44-RT 1112, September 1975, KNEH

FDC703, Reference Manual

This paper describes the logical structure of the Floppy Disc Controller for the RC3600 processor.

RCSL: 44-RT 1121, October 1975, MVP

RC3600 Peripheral Devices, Telex System

This manual describes the telex system to RC3600, which makes the RC3600 work as one or more subscriber to a telex exchange system.

RCSL: 44-RT 1122, October 1975, MVP

Addendum to Programmers Reference Manual, TMX701

This paper describes the logical structure for the telemultiplexer TMX701 used as a TELEX subscriber.

RCSL: 44-RT 1130, November 1975, LMJ

Programmers Reference Manual DSC701 in connection with DSA701 and DSM702

This paper describes the logical structure of the DSM701/702 Disc Storage Module, the DSA Disc Storage Adapter, and the DSC701 Controller.

- RCSL: 44-RT 1134, January 1976, SMN/PKA  
Programmer's Reference Manual, LPT706, LPT707, and LPT708 Serial Printers  
This paper describes the logical structure of the LPT706, LPT707, and LPT708 Serial Printers.
- RCSL: 44-RT 1159, January 1976, JEMI  
SCC704, Binary Synchronous Communications Controller, Programmers Reference Manual  
This paper describes the features and the logical structure of the receiver and the transmitter in a binary synchronous communications controller, the SCC704.
- RCSL: 44-RT 1206, August 1975, MVP  
RC3600 Peripheral Devices, Asynchronous Multiplexer, Reference Manual  
This paper describes the logic structure of the Asynchronous Multiplexer, AMX701 for the RC3600.
- RCSL: 44-RT 1207, January 1976, SMN  
RC3600 Programmer's Manual, RC3600 Card Reader Punch Series  
This paper describes the logical structure of the RC3600 Card Reader Punch Series.
- RCSL: 44-RT 1208, February 1976, KNEH  
FPA702, Front End Processor Adapter, Reference Manual  
This paper describes the logical structure of FPA702.
- RCSL: 44-RT 1227, March 1976, BRT  
Programmer's Reference Manual LPT 719 connected to LPC 306  
This paper describes the logical structure of the LPT 719 Matrix Printer and the LPC 306 Controller.

5. Miscellaneous Software

5.1 Promotional Manuals

RCSL: 42-i 214, August 1974  
RC3600 Introduction to MUSIL

RCSL: 42-i 317, September 1975  
RC3600 Software Survey

RCSL: 42-i 343, April 1976, JOR/JFA/AMA  
RC3600 System Software Architecture, Revision 0

This manual describes the structure of the RC3600 system, both hardware and software, and gives a brief explanation of how the RC3600 can be used and operated.

RCSL: 42-i 321, April 1976, JOR/JFA  
RC3600 Program Catalog, Second edition

5.2 Other Manuals

RCSL: 44-RT 1235, March 1976, CT

RC3600 Software Registration, Version 0

This paper describes the various files and forms used when producing RC3600 programs.

RCSL: 43-GL 2644, April 1976, DHA

RC3600 Basic Software Key, Version 3

This document contains a list of current revision of all customer available RC3600 Basic Software Modules.