

Notes

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Contents

SECTION 1. DEVELOPMENT OUTLINE	1
1.1 FEATURES	1
1.2 OPERATING ENVIRONMENT	1
1.3 NECESSARY SYSTEM COMPONENTS	10
SECTION 2. INSTALLATION	12
2.1 FEATURES OF THE INSTALLER	12
2.2 EXPLANATION OF INSTALLER DISKS	13
2.3 SYSTEM FILES NECESSARY FOR INSTALLATION	13
2.4 INSTALLATION	13
2.4.1 <i>First Installation</i>	14
2.4.2 <i>Overwriting Installation</i>	17
2.5 FILES TO BE INSTALLED	25
2.6 TYPES OF INSTALLATION	25
2.7 CO REGISTRATION	26
2.8 INI FILES	27
2.9 SYSTEM SETUP FILES	27
2.10 INSTALLATION USING THE REGISTRY FILE	27
2.11 ADD-IN FUNCTIONS (SERVICE PACK)	28
2.12 SILENT INSTALLATION	31
2.13 MESSAGES	34
2.13.1 <i>Messages at the Time of Startup</i>	35
2.13.2 <i>Messages during Installation</i>	37
2.13.3 <i>Message during Driver Installation after EPSON OPOS ADK Installation</i>	37
2.13.4 <i>Messages When the Silence Mode is specified</i>	38
2.13.5 <i>Messages Related to Registry File</i>	39
2.13.6 <i>Messages during Coexisting Installation</i>	39
2.13.7 <i>Add-in Installation Messages</i>	40
2.14 PRECAUTIONS FOR INSTALLATION	41
2.15 UNINSTALLATION	42
2.16 UNINSTALLATION PROCEDURES	43
2.17 TYPES OF UNINSTALLATION	44
2.18 SILENT UNINSTALLATION	44
2.19 SYSTEM FILES	44
2.20 MESSAGES	45
2.21 PRECAUTIONS FOR UNINSTALLATION	46

Section 1. Development Outline

This section describes development outline for the EPSON OPOS ADK.

1.1 Features

EPSON OPOS ADK offers standardized API functions that interface with peripherals used in POS systems through ActiveX controls that can be run in Visual Basic, operating on the Windows NT4.0, Windows XP or Windows 2000 platforms. Through these standardized API functions, you can develop powerful, open POS systems easily.

1.2 Operating Environment

The EPSON OPOS ADK operates under the following environment.

- Computer Hardware
 - IBM PC/AT or compatible
- Operating Systems
 - Windows NT 4.0
 - Windows 2000
 - Windows XP
- Accessible Serial Ports
 - COM1, COM2, COM3, and COM4 (extended port functions allow use of COM5 though COM10)
- Accessible Parallel Ports
 - LPT1, LPT2, and LPT3 (operation is unverified in LPT3)
- Accessible USB ports
 - USB equipment must be connected to the IBM PC/AT compatible machines that are equipped with USB connectors or use USB expansion cards (however, the operating system must be the English version of Windows XP or Windows 2000 when USB is used.)
 - If the USB device cannot be identified when an IBM PC/AT compatible machine equipped with a USB connector is in use (especially for machines put on the market prior to the English version of Windows 98 being

available), contact the manufacturer.

- Accessible Network

Ethernet and IEEE802.11b support applies to TCP/IP compliant networks.

The setup of a compliant network should be handled by a qualified network administrator.

- Supported Languages

Microsoft Visual Basic Version 5.0 or above

Microsoft Visual C++

Version 5.0 or above

- Accessible Devices

Line Displays:

EPSON DM-D101/102

EPSON DM-D105/106

EPSON DM-D110

EPSON DM-D202/203

EPSON DM-D205/206

EPSON DM-D210

EPSON DM-D102U (USB)

EPSON DM-D106U (USB)

EPSON DM-D203U (USB)

EPSON DM-D206U (USB)

EPSON DM-D110U (USB)

EPSON DM-D210U (USB)

EPSON DM-D500

EPSON DM-D500U (USB)

EPSON DM-D102-015 (For EPSON IR Series (Except IM-320))

EPSON DM-D106-115 (For EPSON IR Series (Except IM-320))

EPSON DM-D106-315 (For EPSON IR Series (Except IM-320))

MICR:

EPSON TM-H5000II with MICR

EPSON TM-H5000IIP with MICR

EPSON TM-H5000IIU with MICR (USB)

EPSON TM-H5000IIE with MICR (Ethernet)
EPSON TM-H6000 with MICR
EPSON TM-H6000P with MICR
EPSON TM-H6000U with MICR (USB)
EPSON TM-H6000E with MICR (Ethernet)
EPSON TM-U675 with MICR
EPSON TM-U675P with MICR
EPSON TM-U675U with MICR (USB)
EPSON TM-U675E with MICR (Ethernet)
EPSON TM-U950 with MICR
EPSON TM-H6000II with MICR
EPSON TM-H6000IIP with MICR
EPSON TM-H6000IIU with MICR (USB)
EPSON TM-H6000IIE with MICR (Ethernet)
EPSON TM-J7000/J7100 with MICR
EPSON TM-J7000P/J7100P with MICR
EPSON TM-J7000U/J7100U with MICR (USB)
EPSON TM-J7000E/J7100E with MICR (Ethernet)
EPSON TM-H5200 with MICR
EPSON TM-H5200P with MICR
EPSON TM-H5200U with MICR (USB)
EPSON TM-H5200E with MICR (Ethernet)

POS Printers:

EPSON RP-U420
EPSON RP-U420P
EPSON TM-295
EPSON TM-295P
EPSON TM-300A
EPSON TM-300B
EPSON TM-300C
EPSON TM-300D
EPSON TM-H3000R (For EPSON IR Series)
EPSON TM-H5000II
EPSON TM-H5000IIP
EPSON TM-H5000IIU (USB)

EPSON TM-H5000IIE (Ethernet)
EPSON TM-H5000IIM
EPSON TM-H5000IIPM
EPSON TM-H5000IIMU (USB)
EPSON TM-H5000IIME (Ethernet)
EPSON TM-H6000
EPSON TM-H6000P
EPSON TM-H6000U (USB)
EPSON TM-H6000E (Ethernet)
EPSON TM-H6000M
EPSON TM-H6000PM
EPSON TM-H6000MU (USB)
EPSON TM-H6000ME (Ethernet)
EPSON TM-J8000
EPSON TM-J8000P
EPSON TM-J8000U (USB)
EPSON TM-J8000E (Ethernet)
EPSON TM-L60II
EPSON TM-L60IIP
EPSON TM-T88II
EPSON TM-T88IIP
EPSON TM-T88IIU (USB)
EPSON TM-T88IIE (Ethernet)
EPSON TM-T88IIM
EPSON TM-T88IIPM
EPSON TM-T88IIMU (USB)
EPSON TM-T88IIME (Ethernet)
EPSON TM-T88IIR (For EPSON IR Series)
EPSON TM-T88IIRM (For EPSON IR Series)
EPSON TM-T90
EPSON TM-T90P
EPSON TM-T90U (USB)
EPSON TM-T90E (Ethernet)
EPSON TM-U200B
EPSON TM-U200BP
EPSON TM-U200BE (Ethernet)

EPSON TM-U200D
EPSON TM-U200DP
EPSON TM-U200DE (Ethernet)
EPSON TM-U210A
EPSON TM-U210AP
EPSON TM-U210AU (USB)
EPSON TM-U210AE (Ethernet)
EPSON TM-U210AM
EPSON TM-U210APM
EPSON TM-U210AMU (USB)
EPSON TM-U210AME (Ethernet)
EPSON TM-U210AR (For EPSON IR Series)
EPSON TM-U210ARM (For EPSON IR Series)
EPSON TM-U210B
EPSON TM-U210BP
EPSON TM-U210BE (Ethernet)
EPSON TM-U210D
EPSON TM-U210DP
EPSON TM-U210DE (Ethernet)
EPSON TM-U230
EPSON TM-U230P
EPSON TM-U230U (USB)
EPSON TM-U230E (Ethernet)
EPSON TM-U325
EPSON TM-U325P
EPSON TM-U325U (USB)
EPSON TM-U325E (Ethernet)
EPSON TM-U375
EPSON TM-U375P
EPSON TM-U590
EPSON TM-U590P
EPSON TM-U590U (USB)
EPSON TM-U590E (Ethernet)
EPSON TM-U590M
EPSON TM-U590PM
EPSON TM-U590MU (USB)

EPSON TM-U590ME (Ethernet)
EPSON TM-U675
EPSON TM-U675P
EPSON TM-U675U (USB)
EPSON TM-U675E (Ethernet)
EPSON TM-U675M
EPSON TM-U675PM
EPSON TM-U675MU (USB)
EPSON TM-U675ME (Ethernet)
EPSON TM-U950
EPSON TM-U950P
EPSON TM-U230M
EPSON TM-U230PM
EPSON TM-U230MU (USB)
EPSON TM-U230ME (Ethernet)
EPSON TM-J2000/J2100
EPSON TM-J2000P/J2100P
EPSON TM-J2000U/J2100U (USB)
EPSON TM-J2000E/J2100E (Ethernet)
EPSON TM-L90
EPSON TM-L90P
EPSON TM-L90U (USB)
EPSON TM-L90E (Ethernet)
EPSON TM-U210DM
EPSON TM-U210DPM
EPSON TM-U210DMU (USB)
EPSON TM-U210DME (Ethernet)
EPSON TM-H6000II
EPSON TM-H6000IIP
EPSON TM-H6000IIU (USB)
EPSON TM-H6000IIE (Ethernet)
EPSON TM-H6000IIM
EPSON TM-H6000IIPM
EPSON TM-H6000IIMU (USB)
EPSON TM-H6000IIME (Ethernet)
EPSON TM-T88III

EPSON TM-T88IIIP
EPSON TM-T88IIIU (USB)
EPSON TM-T88IIIE (Ethernet)
EPSON TM-T88IIIM
EPSON TM-T88IIIPM
EPSON TM-T88IIIMU (USB)
EPSON TM-T88IIIME (Ethernet)
EPSON TM-L90M
EPSON TM-L90PM
EPSON TM-L90MU (USB)
EPSON TM-L90ME (Ethernet)
EPSON TM-T90M
EPSON TM-T90PM
EPSON TM-T90MU (USB)
EPSON TM-T90ME (Ethernet)
EPSON TM-J2000M/J2100M
EPSON TM-J2000PM/J2100PM
EPSON TM-J2000MU/J2100MU (USB)
EPSON TM-J2000ME/J2100ME (Ethernet)
EPSON TM-J7000/J7100
EPSON TM-J7000P/J7100P
EPSON TM-J7000U/J7100U (USB)
EPSON TM-J7000E/J7100E (Ethernet)
EPSON TM-J7500/J7600
EPSON TM-J7500P/J7600P
EPSON TM-J7500U/J7600U (USB)
EPSON TM-J7500E/J7600E (Ethernet)
EPSON TM-U220A
EPSON TM-U220AP
EPSON TM-U220AU (USB)
EPSON TM-U220AE (Ethernet)
EPSON TM-U220B
EPSON TM-U220BP
EPSON TM-U220BU (USB)
EPSON TM-U220BE (Ethernet)
EPSON TM-U220D

EPSON TM-U220DP
EPSON TM-U220DU (USB)
EPSON TM-U220DE (Ethernet)
EPSON TM-U220AM
EPSON TM-U220APM
EPSON TM-U220AMU (USB)
EPSON TM-U220AME (Ethernet)
EPSON TM-U220BM
EPSON TM-U220BPM
EPSON TM-U220BMU (USB)
EPSON TM-U220BME (Ethernet)
EPSON TM-U220DM
EPSON TM-U220DPM
EPSON TM-U220DMU (USB)
EPSON TM-U220DME (Ethernet)
EPSON TM- P60
EPSON TM- P60W (IEEE802.11b)
EPSON TM-H5200
EPSON TM-H5200P
EPSON TM-H5200U (USB)
EPSON TM-H5200E (Ethernet)
EPSON TM-U220AM_BM
EPSON TM-U220APM_BM
EPSON TM-U220AM_BMU (USB)
EPSON TM-U220AM_BME (Ethernet)
EPSON TM-U220BM_BM
EPSON TM-U220BPM_BM
EPSON TM-U220BM_BMU (USB)
EPSON TM-U220BM_BME (Ethernet)
EPSON TM-U220DM_BM
EPSON TM-U220DPM_BM
EPSON TM-U220DM_BMU (USB)
EPSON TM-U220DM_BME (Ethernet)

Cash Drawer:

Standard Cash Drawer for TM series (Serial, Parallel, USB, Ethernet)

Multi_A Cash Drawer (2 Drawer) (Serial, Parallel, USB, Ethernet)

Multi_B Cash Drawer (2 Drawer) (Serial, Parallel, USB, Ethernet)

Hard Totals:

EPSON IM-505 NVRAM

EPSON IM-515 NVRAM

EPSON IM-300 NVRAM (For IM-300 (EPSON IR))

EPSON IM-310 NVRAM (For IM-310 (EPSON IR))

EPSON IM-310 CompactFlash (For IM-310 (EPSON IR))

EPSON IM-320 CompactFlash (For IM-320 (EPSON IR))

EPSON IM-600 CompactFlash (For IM-600 (EPSON SR))

MSR:

DM-MR111-012 (For EPSON IR Series (Except IM-320))

DM-MR111-013 (For EPSON IR Series (Except IM-320))

DM-MR123 (For EPSON IR Series)

DM-MS123 (For IM-600 (EPSON SR))

DM-M820 (For MR)

Keylock:

IM-300 (For IM-300 (EPSON IR))

IM-310 (For IM-310 (EPSON IR))

IM-320 (For IM-320 (EPSON IR))

CheckScanner:

EPSON TM-H6000II with Scanner

EPSON TM-H6000IIP with Scanner

EPSON TM-H6000IIU with Scanner (USB)

EPSON TM-H6000IIE with Scanner (Ethernet)

1.3 Necessary System Components

In order to develop an application using OPOS API, the following hardware and software are necessary.

- Computer Body Parts
IBM PC/AT Interchange Machine
- Operating System
Windows NT Ver4.0, Windows XP and Windows 2000
- Floppy Disk Drive
One or more floppy disc drives
- Hard Disk, Memory
At least 10M bytes hard disk capacity is needed except for recommended blank capacity of using OS (Windows NT 4.0, Windows 2000 and Windows XP).

- Disks

Please confirm that your package contains all the following items.

Install Disks:

EPSON OPOS ADK Installation Disk x

These disks include software, manuals and sample programs.

Sample Programs:

EPSON OPOS ADK Install Disk contains practical sample program guides using common API for each device. The method for use is described on the sample program guide. Please copy onto the hard disk as necessary.

Manuals:

On-line manuals are included on EPSON OPOS ADK Disk.

USER'S MANUAL

Information on EPSON OPOS ADK installation and setup.

APPLICATION DEVELOPMENT GUIDE

Programming examples and explanations of factors governing of peripherals. The Application Development Guide is divided into common subjects and device subjects. The common subjects portion contains general information about OPOS and device classes. The device subjects portion contains information for each device. Please refer to common subjects

and device subjects for the device being used.

SAMPLE PROGRAM GUIDE

Contains outlines, detailed explanations, and notes on the sample program included on the EPSON OPOS ADK.

Section 2. Installation

Running the EPSON OPOS ADK Installer program can perform all the processing required for installation of the EPSON OPOS ADK. To ensure optimal use of the OPOS, various functions are offered during installation. Please read this manual for details.

When installing or reinstalling, first ensure that all running application programs are closed; both those use the OPOS files as well as any other applications.

After installing of EPSON OPOS ADK, it is necessary to confirm the setup, such as port and device settings. For details, please refer to "Section 4. SetupPOS Utility" of "EPSON OPOS ADK MANUAL User's Manual (Installer/ SetupPOS/ TMUSB)".

The EPSON OPOS ADK install program is explained in the following.

2.1 Features of the Installer

This Installer is created using InstallShield 5.5.

The Installer performs the following operations:

- Specifies the destination directory for installation
- Specifies the destination start menu folder for installation
- Specifies the initial settings for OPOS
- Specifies REG files
- Installation type
 - Full installation (all)
 - Custom installation
 - Selection of device class units
 - Selection of CCO/CO
- Uninstallation type
 - Full uninstallation (all)
 - Custom uninstallation
 - Selection of device class units
- Restoration of OPOS environment using REG files
- Inheritance of information from previous version
- Add-in (Service Pack compatible)
- Silent mode installation/uninstallation

2.2 Explanation of Installer Disks

There are multi Installer disks. Swap the disks in accordance with the installation procedure. When installing from CD-ROM, disk swapping is not needed.

2.3 System Files Necessary for Installation

When register DLL and OCX files for use, system files for the following versions or higher are required for installation. The Installer checks in advance for these files, which depend on the machine on which they are installed, and it copies the necessary versions to the System folder under the Windows directory. At this point, please note that if any of the already existing files mentioned below are marked as read-only, they cannot be copied.

MFC42.DLL	Version 6.00.8168.0 Copyright © Microsoft Corp. 1993-1998
MSVCRT.DLL	Version 6.00.8168.0 Copyright © Microsoft Corp. 1981-1998
OLEAUT32.DLL	Version 2.40.4275 Copyright © Microsoft Corp. 1993-1998
STDOLE2.TLB	Version 2.40.4275 Copyright © Microsoft Corp. 1993-1998
OLEPRO32.DLL	Version 5.0.4275 Copyright © Microsoft Corp. 1993-1998
COMCTL32.DLL ^{*1}	Version 5.80.2614.3600 Copyright © Microsoft Corp. 1981-1999

^{*1} Executing 50Comupd.exe provides COMCTL32.DLL.

COMCTL32.DLL is redistributed to a separate disk as well as the DLL installer,

50Comupd.exe. During the OPOS install, the Version of the above DLL will be checked. If it does not exist, OPOS installer will exit. Installer can be resumed following running the DLL update, 50Comupd.exe.

2.4 Installation

<Prerequisite>

When Windows NT4.0, Windows 2000 or Windows XP is used, installation can be done only by authorized users for the PC to be installed. Please request the authorized users for help.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/555124040222011222>