



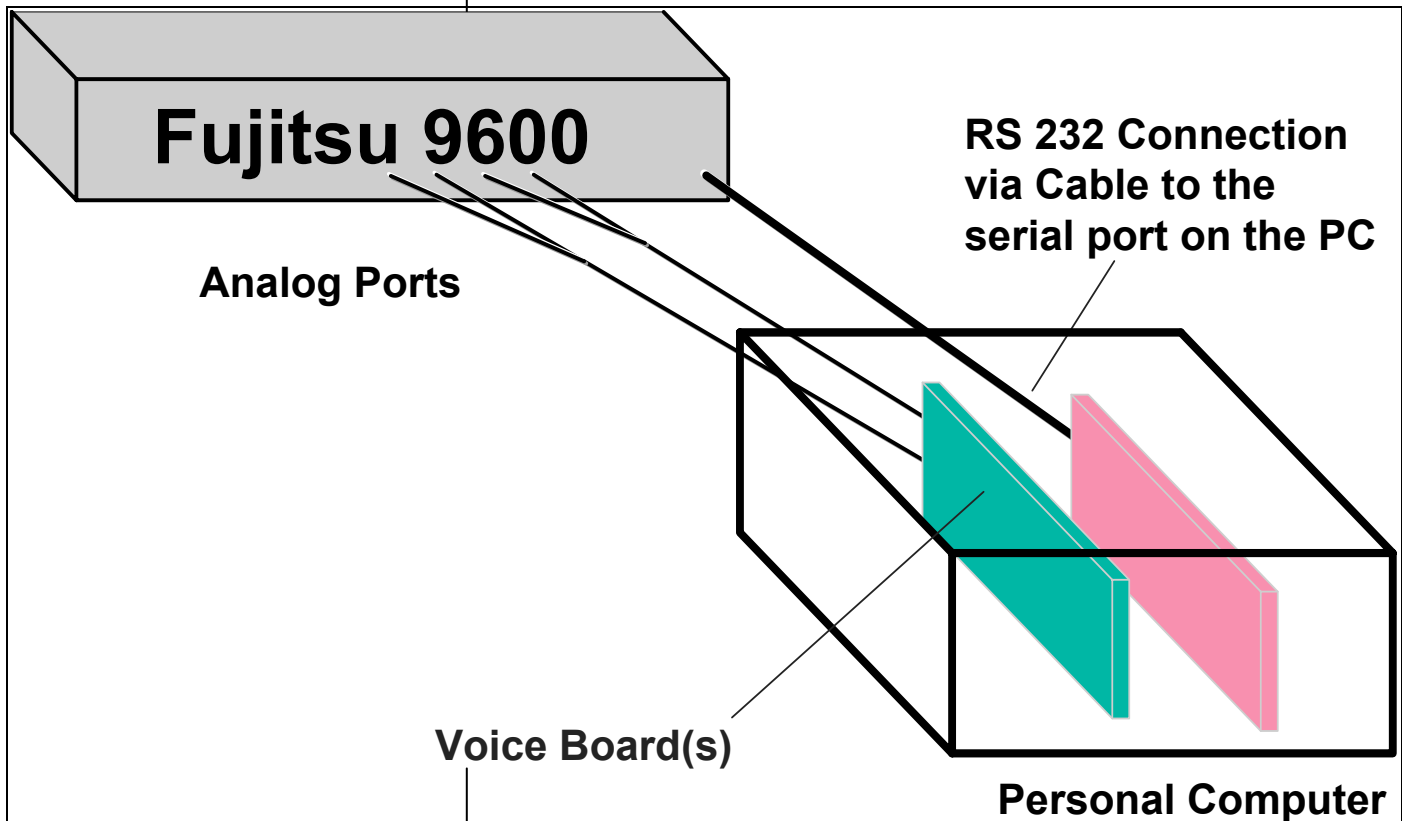
Octel® 50

Messaging Server

Configuration Note 77070

Fujitsu 9600* with SMDI

Revised 1/31/00



Communications between the Fujitsu 9600 and the Octel 50 are through a RS-232 Connection to the serial port on the PC.

Supported Voice Processing Module

1.0 METHOD OF INTEGRATION

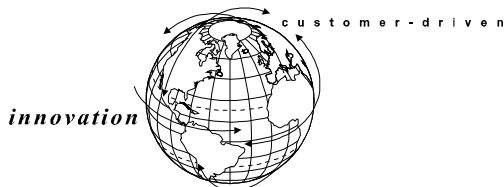
RS-232 / Serial interface is used for integration. Standard SMDI data is passed over the serial interface (RS-232) link. Call forward to personal greeting is achieved via calling information passed over serial interface (RS-232) to Octel 50. Message waiting indicators are set and canceled by serial interface (RS-232) data. A hook-flash followed by the extension transfers the caller to the operator.

1.1 SUPPORTED VOICE PROCESSING MODULE

The Octel 50 is a Year 2000 (Y2K) compliant, PC based, enhanced voice messaging product release intended to replace the Smooth Operator, Smooth Operator Lite and Cooperator product lines.

Disclaimer: Configuration Notes are designed to be a general guide reflecting Octel Communications Corporation, a subsidiary of Lucent Technologies Inc., experience configuring its systems. The information contained in this note is based on knowledge available at the time of publication and is subject to change without notice. Please understand that you may experience a problem not detailed in a Configuration Note. If so, please notify Sales Design Support Center (SDSC) at (888) 297-4700, and if appropriate we will include it in our next revision. Lucent Technologies accepts no responsibility for errors or omissions contained herein.

Ordering Information Octel 50
Supports up to 16 ports
Requires DOS SMDI (Generic)
diskette



Fujitsu Hardware Requirements

Fujitsu Software Requirements

Additional Material Requirements

2.0 ORDERING INFORMATION

This integration supports up to 16 Octel 50 ports. For installed systems that have port capacities above 16 ports contact your CAG representative for the proper solution.

- Voice Boards supported:
 - Brooktrout RDSP 432™
- Optional Fax Boards supported:
 - Brooktrout TR114 **Series Universal Port™**
- Optional Remote Service
 - External Modem
- DOS SMDI (Generic) diskette.

3.0 FUJITSU 9600 HARDWARE REQUIREMENTS

- PSDCCJ is the I/O card used for SMDI integration
- B4SLA or B16SLA or B provides Analog connection to Octel 50:
 - The B4SLA provides drop in loop current as a disconnect, but only supports 4 analog ports.
 - The B16SLA or B provides Dial Tone as a disconnect and supports up to 16 analog ports.

FUJITSU 9600 SOFTWARE REQUIREMENTS

- Revision 6.0
- SMDI software package P3510

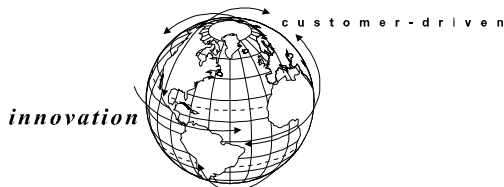
3.2 ADDITIONAL MATERIAL REQUIREMENTS

The voice board used to interface Octel 50 VoiceMail is a four-port board. System configurations may reflect partial use of a board. The board used to interface Octel 50 FaxMail is a two-port board. You will need:

- One RJ-14 jack with 4-conductor line cord for every two Octel 50 ports.
- For optional remote service access:
 - One analog line
 - One RJ-11 Jack for above and 2-conductor modular telephone cord.
- If optional FaxMail is installed:
 - One analog line per fax port

- One RJ-11 jack for every Brooktrout TR114 fax port

Supported integration features



4.0 SUPPORTED FEATURES

[✓] Items are supported

System Forward to Personal Greeting

All Calls	[✓]
Ring/no answer	[✓]
Busy	[✓]
Busy/No Answer	[]
Do Not Disturb	[✓]

Station Forward to Personal Greeting

All Calls	[✓]
Ring/no answer	[✓]
Busy	[✓]
Busy/No Answer	[✓]
Do Not Disturb	[✓]

Flexible Forwarding

Forward to No Answer Greeting	[✓]
Forward to Busy Greeting	[✓]
Intercom/CO Forwarding	[]

Message Waiting

LCD Display	[]
LED	[]
Lamp (Msg. Waiting Key)	[✓]
Audible / Stutter Dial Tone	[✓]

Multiple Return to Operator

Direct Call

Auto Attendant

Outcalling

Personal Greeting of Original-Called Party

Multiple Call Forward	[✓]
Double Call Forward	[]
Call Coverage	[]

Intercom Paging

Supervised Transfers

Call Screening	[✓]
Call Queuing	[✓]
Intercom Paging	[]

Record Telephone Conversation

[]

4.1 DISCONNECT TYPE

Disconnect is achieved via Drop in Loop current or Dial Tone depending on which analog station card is used. (See section 3.0). For proper external disconnect supervision, Ground start, or Supervised Loop start CO lines are recommended.

Programming Fujitsu system

5.0 CONFIGURING THE PBX

Before you begin programming, It is recommended that a hard copy of the customer database be obtained to verify existing programming.

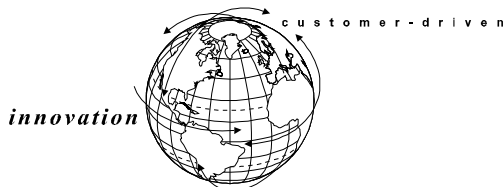
Not all administrative possibilities are shown. The scope of this document does not include discussing all features and their interactions. Initial Startup or Default values on the Switch are assumed.

5.1 ANALOG CIRCUIT CARD ASSIGNMENT

Refer to the programming section in PBX Administration Practices for information on entering, saving, and exiting database programming.

Install the B4SLA / B16SLA or B single line package:

INS PKG,(package name) = B4SLA or B16SLA or B, (package number)



5.2 DCC PORT ASSIGNMENT

DCU no. references the port used by the DCC card. I.E. DCU20.

1. Assign the DCC port and baud rate used with SMDI:

ASS DCCPT,(DCU no.) AP,SMDI,1200

2. Assign the VMS to a DCC port:

ASS AP,VMSS.(DCU no.)

3. Put the DCC port for SMDI in service:

RES IO,(DCU no.)

5.3 ASSIGN OCTEL 50 PORTS

1. Assign station ports for Octel 50 access:

ASS SLT,(tenant no.): 0, (directory no. of station), (equipment no. of station), (station type): 0 = on premise, (signaling type) = DTMF, (MWL = 0 for no.)

For this example we are using tenant number 0. All other parameters can be left at default or set to customer specifications.

2. Mark Octel 50 ports for use by VMS and SMDI:

ASS VMSPT, (tenant no.: 0), (directory no. of station), (port no. for the Octel 50/SMDI)

The port number represents the Octel 50 port that you want the extension to ring, start the port numbering with 1 instead of 0.

5.4 OCTEL 50 HUNT GROUPS

1. Assign a line / station to use as the Octel 50 pilot hunt group number, (this Is a virtual line). This will be the target number for forwarding calls and the destination for retrieving messages. For this example we will use tenant number 0 and pilot number 330:

ASS VL,0,330

2. Put Octel 50 single line ports into a circular hunt group. For this example we will use tenant number 0, and pilot number 330:

ASS STHG, (tenant no. 0),3,(pilot no. 330), (directory no. of first single line station), (directory no. of second single line station), etc.

The digit 3 after the tenant number sets the hunt to be a Pilot Circular hunt group.

5.5 ASSIGNING MESSAGE WAITING

1. Assign message waiting to Multi-line Digital phones:

ASS MLPFB, (tenant no.), (pilot no.), (button no.), MW = message waiting.

2. Modify the message waiting button to access Octel 50:

ASS NPCNV,, (tenant no.), D73 (system fixed access code), 3, 64,
 (pilot no. for Octel 50)

5.6 MODIFY FUJITSU SYSTEM PARAMETERS

Modify the following system parameters:

Call forward-no answer jump timer. This can be set per customer requirement:

CHA SVP, 1, 73, 18 (18 = seconds)

SMDI message type for transferred calls:

CHA SVP, 2, 41, 02 (02 = CFBY)

Disconnect tone sent to Octel 50 on calling party hang-up:

CHA SVP, 2, 64, 02 (02 = Dial tone)

Direct message to Octel 50 for screened transfer:

CHA SVP, 2, 65, 01 (01 = Given)

5.7 SYSTEM FORWARDING TO OCTEL 50

To assign subscribers stations to forward to Octel 50:

ASS FWD, (tenant no), (subscriber station no.), (Octel 50
 pilot number)

6.0 CONFIGURING THE OCTEL 50

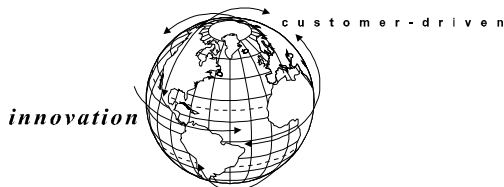
During the install process, run the Integrator program and choose the Fujitsu 9600. The Integrator will place appropriate feature codes into the Octel 50 System Setup.

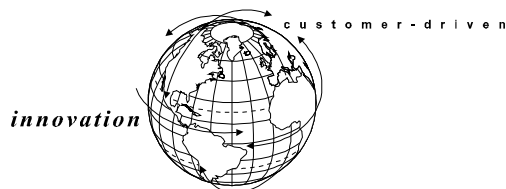
The following codes should be inserted by the integrator. Three digit extensions are assumed.

Outside Line Access Code	9,
Off Hook Delay (OFFHDLY)	25
Hook Flash Interval (FLINTVL)	50
DTMF Tone Length (TONELEN)	8

Transfer, Paging and Screening Parameters

Custom Transfer Code	&,XDR
Transfer Release Code when Busy	&,&
Transfer Release Code when No Answer	&,&
Call Screening Release Code when Busy	&,&
Call Screening Release Code when No Answer	&,&
Call Screening Release Code when Reject	&,&





Message Waiting Parameters

Permit Message Waiting Lights	X (Enabled)
Use MW Data from Serial Port [COMMMWL]	X (Enabled)

Inband Parameters

Total Number of DID Digits	8
DID Terminating Character	#
Seconds to wait for DID	1
Location of Inband Signaling Code	1
Number of Milliseconds to Wait for Digits	500
Code for Go to Voice Mail	F
Start at End of String for Go to Voice Mail	X (Enabled)
Location of Mailbox Number for Go to Voice Mail	3
Code for Immediate Subscriber Login to Mailbox	C
Start at End of String for Immediate Login	X (Enabled)
Location of Mailbox Number for Immediate Login	3
Code for Busy Extension	B
Start at End of String for Busy Extension	X (Enabled)
Location of Mailbox Number for Busy Extension	3
Code for No Answer Extension	N
Start at End of String for No Answer Extension	X (Enabled)
Location of Mailbox for No Answer Extension	3
Start at End of String for Default Code	X (Enabled)
Location of Mailbox Number for Default Code	3

In addition to running the Integrator, ensure the following parameters are set to their corresponding values in System Setup:

Message Delivery

Dial Tone Timeout During Message Delivery	100
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Hangup Detection

Dial Tone Detection Time (DTONDET)	500
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SMDI Parameters

Use SMDI	X (Enabled)
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6.1 INTEGRATION CONFIGURATION PROGRAM

When the Integration Configuration Program is run, ensure that the Serial Communication Protocol matches the Fujitsu 9600. The default settings on the Fujitsu 9600 are 1200 baud, even parity, seven data bits, and one stop bit (1200, 7,E, 1). Set Timeout to 10 and Datawait to 5. In Port IDs, enter the Logical Terminal Number that corresponds to the Octel 50 Port number as follows:

Octel 50 Port	LTN
Port ID 0	1

Port ID 1	2
etc.	etc.

Edit the \CVR\SMDI.CFG file, change **Desk ID** to **000**.

7.0 CONSIDERATIONS / ALTERNATIVES

The following items should be considered, below:

- ☐ Supervised Transfers
- ☐ Loss of Integration

7.1 SUPERVISED TRANSFERS

If the Octel 50 is programmed to execute a supervised transfer, Handsfree Announce must be disabled. If call forwarding is on at the station, ensure that it is for Ring/No Answer only, and that the ring timer is greater than the Maximum Rings for the mailbox.

When a caller is transferred to a telephone that is busy, or no answer, the caller will hear a short burst of the tone before he is reconnected to the Octel

7.2 LOSS OF INTEGRATION

If the Octel 50 system is off line, and the Fujitsu tries to process a call to the Octel 50, the SMDI link will be lost. Simply put, the integration be lost until either the Octel 50 is brought back on line and processes a message that triggers a message waiting light event, or the Fujitsu is reset through programming.

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Printed in the USA.

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