

# Datasheet

## Fujitsu Software BS2000

### OMNIS V8.5

## Central control system

OMNIS enables a terminal to interwork concurrently with multiple communication partners.

The communication partners can be any user applications (UTM, DCAM) or the system application \$DIALOG (Timesharing processing, TIAM) and \$CONSOLE (System operating, UCON).

### Main uses

- Central remote operating for BS2000 servers**  
 OMNIS permits the administration of a large number of BS2000 servers from a single terminal. This terminal communicates with the \$CONSOLE or \$VMCONS system applications of all the connected servers at the same time, receiving console messages from each system or sending commands to each server.
- Functionally distributed operating**  
 OMNIS can also distribute the console messages received from the various systems among a number of terminals according to operator functions.
- Program development**  
 OMNIS allows a number of local or remote dialog tasks to be initiated simultaneously, a feature that can be used at the program development level to test multitask systems.
- DB/DC administration**  
 A centralized UTM (DB) administration can be achieved by setting up connections to a number of UTM applications or databases.
- Dialog control for more than one (UTM) application**  
 Communication with several applications in turn is now made much easier by OMNIS, which sets up and clears down the relevant connections and presents the user with simple switchover options. The use of the software product OMNIS-MENU, whose menu-driven user interface requires no detailed knowledge of OMNIS, is even more convenient, particularly when the operator has had no IT training.



# Topics

## Functional description

- Dialog control  
OMNIS controls the dialog between a terminal and a number of communication partners.
- Terminal as a console  
A terminal can receive console messages and issue console commands via OMNIS.
- Console as a terminal  
Physical BS2000 consoles can also control interactive processes via OMNIS.
- Bulletin file  
The contents of the bulletin file are automatically displayed on all terminals connected to OMNIS.
- Command files  
Frequently used command sequences can be stored in files (special case: OMNIS startup file).
- Partner groups  
Several partners can be referenced jointly (message duplication).
- Screen overflow control  
Optionally, OMNIS can stop the output of messages to a terminal when the screen is full as well as allowing input in cases of long-running output.
- Message output control  
OMNIS provides capabilities for dynamic message output control in three classes (output, temporary storage, no output).
- Screen and P key backup  
Activating a special message flow controller, in conjunction with backing up the screen contents and the P key assignment when changing partners, ensures that dialog with a partner application is undisturbed.
- Predefined configurations  
The optional automatic connection setup at OMNIS startup makes for enhanced data security and easy handling.
- Protection against network failures  
Following a loss of connection to a terminal, all the dialogs can be continued from another terminal. The partners do not notice this "swapping" of terminals, which can also be carried out selectively.
- Hardcopy function  
Any user can cause OMNIS to output all or part of the output on an RSO printer.
- Dialog logging  
Optionally, OMNIS records all messages in a logging file which can be printed out by the OMNIS administrator. OMNIS can also support online paging through the logging file.
- Indirect connections (OMNIS-OMNIS)  
Performance and availability can be improved by transferring processing functions to a decentralized OMNIS application.
- Multiplex connections (OMNIS-UTM)  
For communication with UTM partners, multiplex connections, via which a number of sessions can run concurrently, are used, thereby reducing significantly e.g. system and OMNIS resource requirements.

- Load balancing  
Load balancing is offered for TIAM and DCAM partners.
- Variable concept  
OMNIS configuration files can be created by variables in an easier and more flexible way.
- Exchange of messages between terminals  
Terminals can exchange messages by means of the MESSAGE command.
- Message filter  
Console messages can be suppressed selectively.
- Message answering  
The user can predefine automatic reactions (responses or commands) to selected console messages. As an option, OMNIS users can only answer the console messages output on their own terminals.
- Administration  
By means of an administration password, certain global functions are locked to general use.
- Help texts  
Short explanations of commands and messages can be displayed by the user at any time.
- Information functions  
OMNIS provides a wide range of capabilities for requesting current situation values.
- Exit routines  
The user can write his own message handling subroutines. These routines can be used to modify or block messages, or for the automatic handling of entire dialogs with partners. The serial processing of a number of exit routines is also possible.
- Monitoring a dialog  
With the agreement of the user, the administrator can view the dialog. This greatly facilitates the analysis of any problems and user errors which have occurred.

## Program description

- Terminal sign-on  
OMNIS can be used simultaneously by any number of terminals. A terminal must establish a connection to OMNIS by means of a pre-dialog, supplying a password specified by the OMNIS administrator if necessary.
- Communication with partners  
The communication between partners is particularly simple. Each partner is assigned a code which identifies him uniquely. Messages sent to other partner are simply prefixed with that partner's code. Conversely, OMNIS prefixes the output messages of a partner with his own code, thereby uniquely identifying the originator of each message.
- Configuration  
It is possible to update all objects in an OMNIS configuration while the system is running, thus supporting genuine 24-hour operation.

- Data security

Full data security is ensured; none of the terminals using OMNIS at the same time can access another terminal or send messages to / receive messages from any of its partners. The choice of partners can be restricted by the OMNIS administrator by declaration. Furthermore the transparent forwarding of the Kerberos SSO (Single Sign On) to the TIAM partner is supported.

# Technical details

## Requirements

Technical requirements Hardware	Fujitsu Server BS2000 SE Serie
Technical requirements Software	Fujitsu Software BS2000 OS DX V1.0 or OSD/XC V11.0B Optional: - Fujitsu Software BS2000 openUTM
Requirements for the user	Knowledge of BS2000

## Installation and operation

Operating mode	Dialog
User interface	Commands in English, Message texts in German/English (optional)
Installation	By the customer according to the User Guide and release notices

## Documentation and training

Documentation	The manual and release notices for OMNIS are available on the <a href="#">manual server</a> .
Training	See <a href="#">course offer</a> (German)

## Reference and delivery

Conditions	This software product can be leased by the customer in accordance with the conditions for the use of software products.
Ordering and delivery information	The software product can be obtained from your local Fujitsu regional office.

## Contact

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