

# Supported Communication Methods

Entire Screen Builder supports the following communication methods:

- Telnet 3270(E)
  - Telnet VT
  - BS2000 TCP/IP
  - Natural UNIX
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## Telnet 3270(E)

Entire Screen Builder supports TCP/IP TN3270 and TN3270E communication.

You can use any network adapter that is supported by any TCP/IP stack software which provides the WinSock 2 interface.

The TCP/IP stack software must be installed and active in order to activate terminal emulation.

This mode supports extended attribute bytes (EABs).

See also: *Communication Properties for Telnet TN3270* in Entire Screen Builder's *System Management Hub* documentation.

## Telnet VT

Entire Screen Builder supports VT100, VT220 and VT320 communication with any network adapter that is supported by any TCP/IP stack software which provides the WinSock 2 interface.

The TCP/IP stack software must be installed and active in order to activate terminal emulation.

The communication for the data transfer with Natural UNIX and Natural OpenVMS is done using an additional port. During installation the number of this port is entered in the **UNIX data transfer port number** property in the System Management Hub. See *Server Settings* in Entire Screen Builder's *System Management Hub* documentation.

See also: *Communication Properties for Telnet VT* in Entire Screen Builder's *System Management Hub* documentation.

## BS2000 TCP/IP

This communication method emulates the standard 9750 terminal which is a 24 by 80 characters display without colors. Local printing is not supported.

In addition to the standard 9750 terminal features, the following features of the 975x family are supported:

- 80 FTZ per line
- 20 P-keys
- 24 F-keys
- reverse video
- full 9756-type memory support for P-Registers

In Natural environments, the color terminal type 9763 (7 bit) is also supported. As a prerequisite, Natural Version 3 or above must be installed. By default, Natural uses the terminal type 9750 (monochrome). To activate the terminal type 9763, use the following Natural terminal command (either in a screen or in a program):

```
%T=9763
```

When activating the terminal type 9763, it is recommended that you also load the Siemens function keys F1 through F20 using the following Natural terminal command:

```
%KN
```

Entire Screen Builder supports TCP/IP communication with BS2000 hosts with any network adapter that is supported by any TCP/IP stack software which provides the WinSock 2 interface.

The prerequisite on the host side is the communication subsystem BCAM version V.11, which establishes the connection with the host (available within the Siemens product DCAM).

No third-party software is needed for Entire Screen Builder to activate terminal emulation.

To make the terminal emulation key settings similar to those on a BS2000 keyboard, use the predefined key scheme BS2KEYS1. See *Key Schemes* in Entire Screen Builder's *System Management Hub* documentation.

See also: *Communication Properties for BS2000* in Entire Screen Builder's *System Management Hub* documentation.

## Natural UNIX

This is a proprietary protocol for communicating with Natural applications on UNIX and OpenVMS hosts.

You can use any network adapter that is supported by any TCP/IP stack software which provides the WinSock 2 interface.

See also: *Communication Properties for Natural UNIX* in Entire Screen Builder's *System Management Hub* documentation.