
C-SCPI [Compiled SCPI] Development/ License-to-Run for RADEPC7B HP E1571B/E1581B

Technical Specifications

- **C-SCPI for high throughput**
- **SCPI programming of register-based instruments**
- **DOS and LynxOS (VXI embedded PC)**
- **Moving to VXI*plug&play* technology, support continues**



Description

Compiled SCPI is a performance enhancing programming tool used with VXI systems employing register-based modules. C-SCPI is based on the industry-standard SCPI (Standard Commands for Programmable Instruments). With C-SCPI, programs are written in C using the instruments' SCPI command set. The C program is then run through a preprocessor, an ANSI C compiler, that converts the high-level SCPI commands to the appropriate low-level binary commands. The ease of use of SCPI programming and the speed of register-based modules are both maintained.

The HP E1571B Compiled SCPI program is supported on MS-DOS with the HP RADEPC7B VXI embedded PCs. Recommended compilers are Microsoft C/C++ version 7.0 and Borland C++ version 3.1 (Quick C or Turbo C compilers are not adequate). LynxOS support is available, but only as an option to the HP RADEPC7B.

The HP E1581B is the license-to-run version of the HP E1571B. Its purchase requires the previous purchase of the HP E1571B.

With HP's adoption of the VXI*plug&play* Systems Alliance driver technology, C-SCPI will be supported only on VXI modules introduced before 1996.

C-SCPI

Operating System	Controller	Product
MS-DOS	RADEPC7B	E1571B/E1581B
LynxOS	RADEPC7B	RADEPC7B Opt 801

I-SCPI

Operating System	Controller	Product
Windows 3.1	External PCs	Comes with interface or
	RADEPC7B	RADEPC7B purchases
LynxOS	Not Available	Not Available

Migration to VXIplug&play Drivers

With the development of *VXIplug&play* standards, HP has moved from C-SCPI technology to *VXIplug&play*. We encourage you to move to this new technology. Because it may be inconvenient to make this move in the short term, HP has added HP-UX 10.01 support for existing C-SCPI software.

Ordering Information

Description	Product No.
C-SCPI (Compiled SCPI) Development for RADEPC7B	HP E1571B
Delete manual set	HP E1571B 0B0
License-to-Run for RADEPC7B	HP E1581B

Data Subject to Change
Copyright © January 1997
Hewlett Packard Co.
HP Publication No.: 5965-5503E