



TECH NOTE

VICON TECHNICAL SERVICES GROUP

Subject: Programming Keyboard Product: V1300X-PGK/PKA Number: 1400-0001-17-00 Date: 07/05/01

1300 Series CPUs Programming Keyboards

There is some confusion as to which model of programming keyboard to use with the various versions of 1300 series CPU software offered over the years.

The 1300 CPU is either a standalone, external hardware item, or, an internal circuit card mounted in a Matrix Switcher card cage.

The external CPU can be identified by a vertical viewing window in the front of the chassis behind which can be seen several yellow LEDs. In the upper right corner of this chassis will be an input connector port (5-pin DIN) for a computer-style keyboard and a small toggle switch. This type would be the VPS1300 series.

The other CPU using 1300 software is the V1344SCPU-HDA. This version CPU would be mounted in a matrix switching card cage (V4480SCC-HD or V4481SCC-HD). This unit also has the keyboard port and switch in the upper right of the front panel.

Once the type of CPU is known, connect a CCTV monitor to the BNC connector on the rear chassis labeled *Status Display*. The monitor should display a screen with the *Vicon Industries* name, the system time, the software version number, and a flashing *System Operational* message.

If there is no version number displayed, the software is prior to version 2.0. An XT-style keyboard, V1300X-PGK, must be used.

Programming keyboards used are as follows:

- V1344SCPU-HDA up to version 2.4: Use V1300X-PGK (XT-style)
- V1344SCPU-HDA from version 2.5: Use V1300X-PKA (AT-style)
- VPS1300 with V1300-SV-S/F Supervisor up to version 2.3: Use V1300X-PGK (XT-style)
- VPS1300 with V1300-SV-S/F Supervisor from version 2.4: Use V1300X-PKA (AT-style)

Note: Not all XT-style keyboards will work correctly. There were some minor timing differences, or tolerances, between various manufacturers. This causes some CPUs to not recognize the keyboard.

Upgrading an older CPU to operate with a later keyboard requires, in addition to the software upgrade, some hardware changes on the circuit boards. This is not a field modification. Contact the Vicon Industries Repair Department, 631-952-2288, extension 364, for additional information.