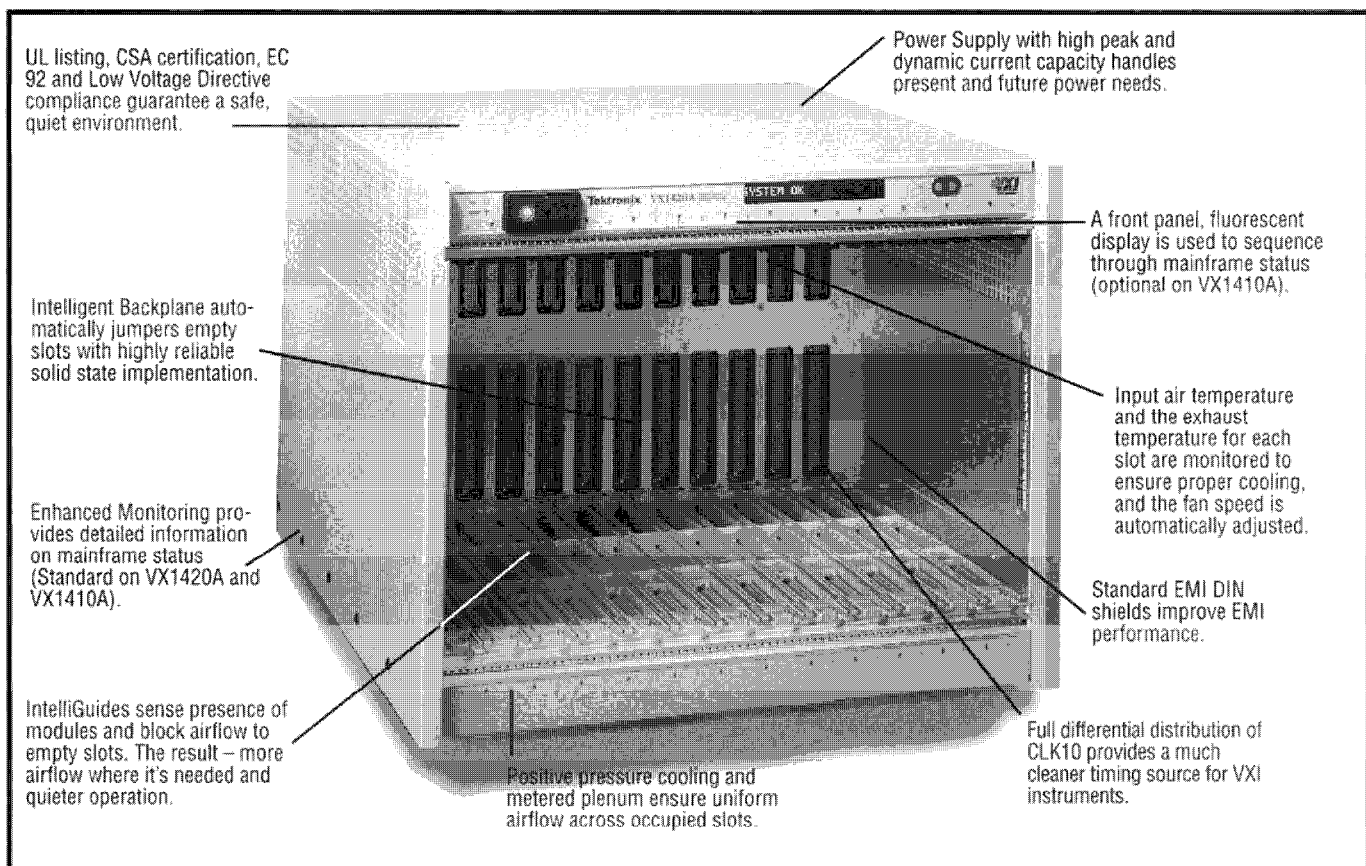


# VXI Mainframes



## VXI Mainframes

The mainframe can be viewed as the most important VXI instrument in a system. It is responsible for the complete environment for VXI modules: power, cooling, EMI, mechanical, and backplane communication and timing. The performance of the mainframe directly impacts the performance of the modules:

- More available power allows greater flexibility for future instrument selection
- Better mainframe cooling extends the life of the instruments
- More EMI protection improves measurement accuracy
- Better mechanical design makes maintenance and system integration easier
- Superior backplane CLK10 distribution improves system timing accuracy

Tektronix has a family of VXI IntelliFrame® Mainframes that covers a broad range of applications and requirements. The VX1420A SuperCooler has massive cooling capabilities that can satisfy even the most stringent

requirements. With 875 watts of usable power and with both the enhanced monitor and fluorescent display standard, the VX1420A SuperCooler is the premier VXI mainframe product.

The VX1410A mainframe replaces the popular VX1410 mainframe with improvements made to the cooling, EMI protection and the enhanced monitor (which is now standard).

The VX1411A benefits from many of the improvements implemented in the VX1410A which makes this mainframe a high performance/low cost leader.

All Tektronix VXI mainframes have Options A1 through A5 for non-U.S. power cords. VX1420A/VX1410A Enhanced Monitor Provides Readout of:

- Input air temperature
- Temperature rise for each slot
- Each power supply voltage
- Each power supply current
- Fan speeds
- Hours of operation timer
- Air filter cleaning timer

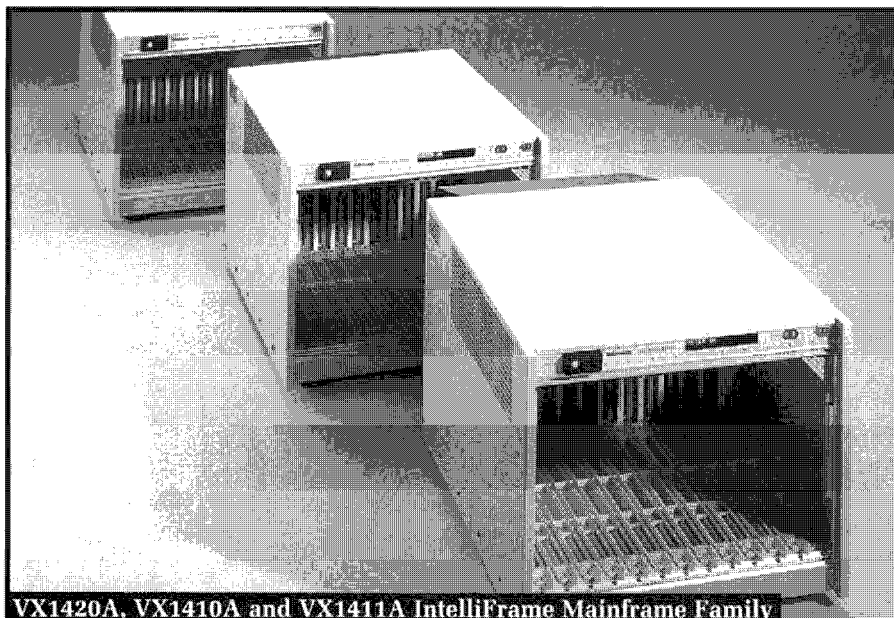
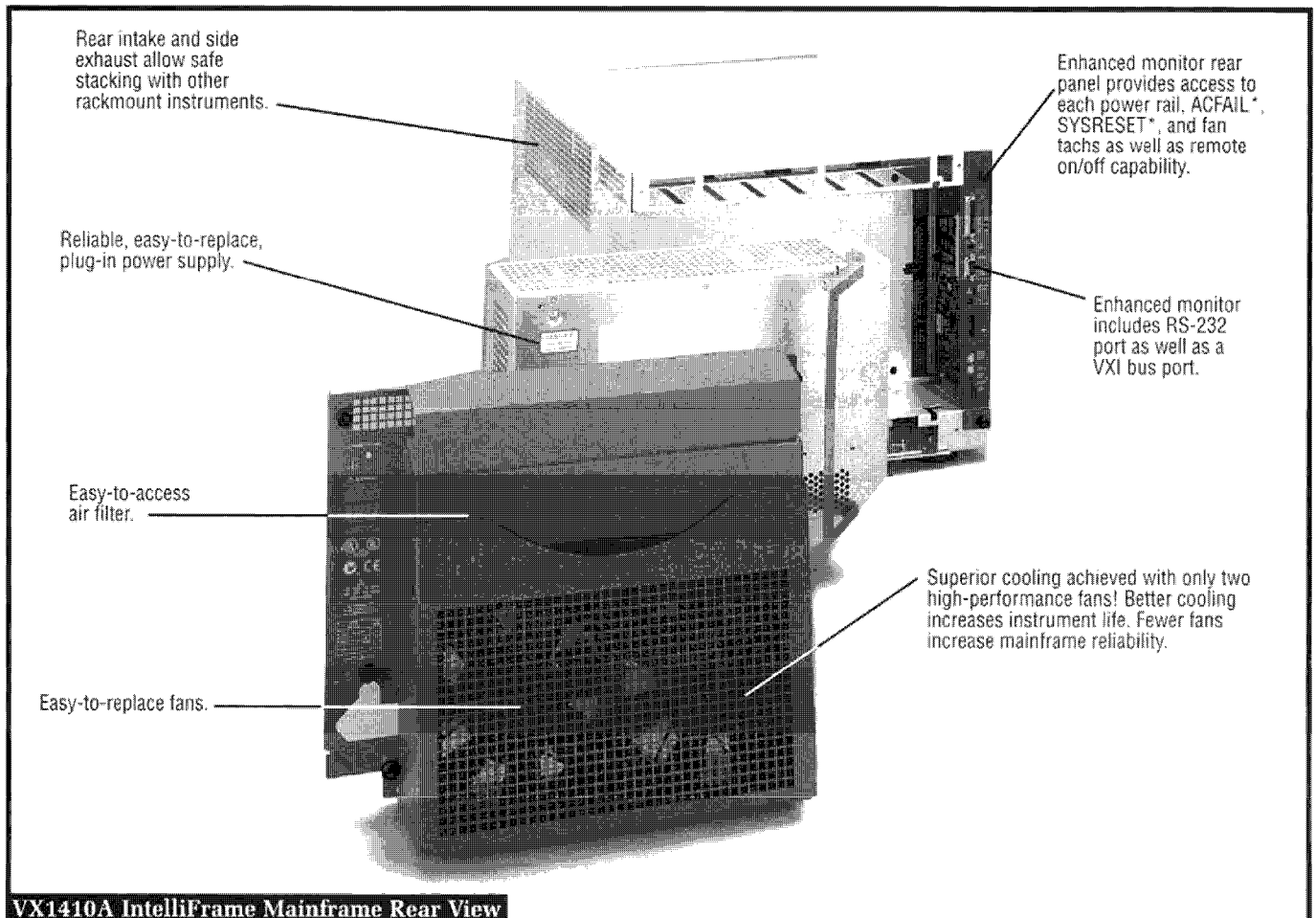
And:

- Allows user selection of alarm conditions
- Communicates as a message-based instrument and RS-232
- Includes VXI *plug&play* software driver

## INTELLIFRAME MAINFRAME OPTIONS NOT SHOWN ABOVE:

- Rack Kit
  - VXI *plug&play*-compatible, accepts VXI *plug&play* receivers without need for expensive adapters
  - Adjustable recess accommodates cables with large bend radii
  - Lexan door is stronger than acrylic, providing better protection while allowing visibility of instrument front panels
  - Top and bottom vertical cable accesses allow for shorter cables to instruments above and below the mainframe, improving signal fidelity

# VXI Mainframes



## VXI INTELLIFRAME MAINFRAMES

- Superior Cooling
- High Power
- High Reliability; Auto-configure Backplane
- EMI DIN Shields Standard
- Easy Maintenance
- Optional Variable-recess Rack Mount Hardware
- Optional Variable-depth Cable Tray
- CE, UL, CSA and Low Voltage Directive

### VX1410A

- Enhanced monitor is standard

### VX1420A

- Enhanced monitor, Fluorescent display and SuperCooler fan pack are standard