

**MODULAR FUNCTION UNITS FOR EFFICIENT COMBINATION  
OF WFIP EQUIPMENT WITH ATM NETWORKING**

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CES VME PowerPC based Boards can control up to 6 PCI mezzanine cards (PMCs), allowing setup of compact and powerful systems for accelerator control and aircraft simulation. A complete solution for ATM network distribution of WFIP messages has been developed under a real time UNIX operating system (LynxOS), with dynamically loadable drivers handling ATM, WFIP and other possible PCI mezzanine cards. One or more of the PMCs attached to the VME board can be an MFCC (Multi-Function Computing Core), which combines a PowerPC cpu with a user programmable I/O interface and can be used to increase the cpu power of the system.