



VersaClock[®] 6E Family of Devices

5P49V6965 – 4 Outputs(1 Ref) Standard Option

5P49V6975 – Integrated Crystal Option

5P49V6967 – Additional 3 Outputs Option

5P49V6968 – Additional 7 Outputs Option



VersaClock[®] 6E Family Snapshot

High-Performance Programmable Clock Generator

Features

- 1 KHz to 350 Mhz output frequency
- <500fs rms jitter(12 KHz to 20 Mhz)
- Output/core voltages: 1.8V, 2.5V, 3.3V
- Any-in, Any-out frequency translation
- 4 independent programmable frequency domains with spread-spectrum control
- Customizable startup configuration
- Integrated crystal product option
- Small 4 x4 mm VFQFN package

Benefits

- Flexible for system design
- Minimize BER and more design margin
- Extends battery life
- Reduce BOM
- Space saving
- Easier material/logistics management

Applications

- Server and storage
- Ethernet switch/router
- PCI Express 1.0/2.0/3.0/(4.0)
- Broadcast video/audio timing
- Multi-function printer
- Processor and FPGA clocking
- Any-frequency clock conversion
- Telecom line cards
- Laser distance sensing
- Audio

Example Use Case

