The Cyclone® V Hard IP for PCI Express® and Avalon®-MM Cyclone V Hard IP for PCI Express have separate user guides. New in the Altera Complete Design Suite version 14.0 is the V-Series Avalon-MM DMA for PCI Express IP Core. This variant automatically includes high-performance DMA Read and DMA Write engines. Click on the link below for the appropriate user guide.

- Cyclone V PCIe Avalon-ST Interface for PCIe Solutions User Guide
- Cyclone V PCIe Avalon-MM Interface for PCIe Solutions User Guide
- V-Series Avalon-MM DMA Interface for PCIe Solutions User Guide