



Ultra 160 - Technical Update and Available Products

Ultra160 SCSI is the next generation of high performance SCSI technology that offers data transfer speeds of up to 160MB/sec. It describes any device that combines Ultra2SCSI with Cyclic Redundancy Check¹ (CRC), Domain Validation², and Double TransitionClocking³. By incorporating this specific combination of optimized features, Ultra160 SCSI establishes an effective standard for performance and device compatibility.

Ultra 160 is an ideal solution for high performance situations such as workstations, servers, multi-user systems, Storage Area Networks (SANs) and Local Area Networks(LANs).

CRU Product Matrix that supports Ultra 160

Depending on the application, CRU offers various solutions to meet your requirements.

External Drive Enclosures without a removable cartridge

All CRU 1, 2, 4 and 7 bay external enclosures that are compatible with Ultra2 SCSI are compatible with Ultra160 SCSI. They are equipped with a high quality twist and flat ribbon cable and a LVD/SE dual mode terminator. Thus, ensuring compliance with the Ultra 160 specifications.

¹ Ultra160 devices utilize Cyclic Redundancy Check which is code similar to a checksum. Each data transfer cycle includes this data and the receiving SCSI device decodes this information to verify that the data was transferred correctly.

² Domain Validation uses a sequence of I/O commands to determine the optimum transfer rate between the SCSI card and the SCSI device. This method limits the bandwidth to the interfacing device to help insure a reliable data transfer.

³ Double Transition Clocking, also called dual edge clocking, uses both the leading edge and trailing edge of the data request line that clocks the data. With Double Transition Clocking, the data lines move up to the fundamental frequency while the fundamental frequency of the cable remains the same. When Double Transition Clocking is combined with LVD signaling, Ultra2 SCSI physical layer requirements are obtainable for Ultra 160. Therefore, cables, cable lengths, connectors, connector spacing, terminations, back planes, peripheral devices, etc. remain the same for Ultra 160 and Ultra2. Double Transition Clocking is only used for Data input and output phases, while the other transfer phases use asynchronous transmission.

CRU Part	Product	Description	WEIGHT	UPC
DataPort V SCSI ULTRA NARROW (50-PIN)				
9175-141-02	DataPort V Complete Assembly ULTRA SCSI (PC WHITE)	CARRIER & FRAME (PC WHITE) ULTRA SCSI (50-PIN)	1 lb. 13 oz.	673825402344
9075-101-02	DataPort V Drive-Carrier ULTRA SCSI (PC WHITE)	DRIVE-CARRIER (PC WHITE) for DataPort V ULTRA SCSI (50-PIN)	1 lb.	673825401422
9175-141-55	DataPort V Complete Assembly ULTRA SCSI (BLACK)	CARRIER & FRAME (BLACK) ULTRA SCSI (50-PIN)	1 lb. 13 oz.	673825402351
9075-101-05	DataPort V Drive-Carrier ULTRA SCSI (BLACK)	DRIVE-CARRIER (BLACK) for DataPort V ULTRA SCSI (50-PIN)	1 lb.	673825404812
9082-131-01	DataPort V Frame ULTRA SCSI	RECEIVING FRAME (Cast Aluminum) ULTRA SCSI (50-PIN)	1 lb. 2 oz.	673825100264
DataPort V SCSI ULTRA WIDE/LVD (68-PIN)				
9175-141-05	DataPort V Complete Assembly SCSI ULTRA WIDE/LVD	CARRIER & FRAME (PC WHITE) DATAPORT V SCSI ULTRA WIDE/LVD (68-PIN)	1 lb. 13 oz.	673825100219
9075-102-05	DataPort V Carrier SCSI ULTRA WIDE/LVD	DRIVE-CARRIER (PC WHITE) SCSI ULTRA WIDE/LVD (68-PIN)	1 lb.	673825100226
9072-135-05	DataPort V Frame SCSI ULTRA WIDE/LVD	RECEIVING FRAME (Cast Aluminum) SCSI ULTRA WIDE/LVD (68-PIN)	1 lb. 2 oz.	673825403778
DataPort V plus Complete Assembly SCSI ULTRA WIDE/LVD				
9275-145-01	DataPort V plus Complete Assembly SCSI ULTRA WIDE/LVD	CARRIER & FRAME (PC WHITE) DATAPORT V PLUS SCSI ULTRA WIDE/LVD	2 lbs. 13 oz.	673825402740
9085-102-01	DataPort V plus Carrier (metal) SCSI ULTRA WIDE/LVD	DRIVE-CARRIER (PC WHITE) DATAPORT V PLUS SCSI ULTRA WIDE/LVD	1 lb. 6 oz.	673825403754
9275-145-55	DataPort V plus Complete Assembly SCSI ULTRA WIDE/LVD	CARRIER & FRAME (BLACK) DATAPORT V PLUS SCSI ULTRA WIDE/LVD	2 lbs. 13 oz.	673825402757
9085-102-05	DataPort V plus Carrier (metal) SCSI ULTRA WIDE/LVD	DRIVE-CARRIER (BLACK) DATAPORT V PLUS SCSI ULTRA WIDE/LVD	1 lb. 6 oz.	673825404867
9086-135-01	DataPort V plus Receiving Frame SCSI ULTRA WIDE/LVD	RECEIVING FRAME (Cast Aluminum) SCSI ULTRA WIDE/LVD	1 lb. 2 oz.	673825100325
DataPort V plus 142mm SCSI ULTRA WIDE/LVD (68-PIN)				
9275-745-01	DataPort V plus Complete Assembly 142mm SCSI ULTRA WIDE/LVD	CARRIER & FRAME (PC WHITE) DATAPORT V PLUS SCSI ULTRA WIDE/LVD 142mm	2 lb. 13 oz.	673825402795
9085-745-01	DataPort V plus Carrier (metal) 142 mm SCSI ULTRA WIDE/LVD	DRIVE-CARRIER (PC WHITE) DATAPORT V PLUS SCSI ULTRA WIDE/LVD 142mm	1 lb. 6 oz.	673825404874
9086-135-01	DataPort V plus Receiving Frame 142mm SCSI ULTRA WIDE/LVD	RECEIVING FRAME (Cast Aluminum) SCSI ULTRA WIDE/LVD 142mm	1 lb. 2 oz.	673825100325
DataPort VI ~ ULTRA2 WIDE SCSI/LVD (80-PIN SCA)				
9286-145-01	DataPort VI Complete Assembly ULTRA2 WIDE SCSI/LVD (PC WHITE)	CARRIER & FRAME (PC WHITE) DATAPORT V PLUS SCSI 80 PIN SCA	2 lbs. 13 oz.	673825100332
9086-801-01	DataPort VI Carrier (metal) ULTRA2 WIDE SCSI/LVD (PC WHITE)	DRIVE-CARRIER (PC WHITE) DATAPORT V PLUS SCSI 80 PIN SCA	1 lb. 12.3 oz.	673825100349
9286-145-05	DataPort VI Complete Assembly ULTRA2 WIDE SCSI/LVD (BLACK)	CARRIER & FRAME (BLACK) DATAPORT V PLUS SCSI 80 PIN SCA	2 lbs. 13 oz.	673825100325
9086-801-05	DataPort VI Carrier (metal) ULTRA2 WIDE SCSI/LVD (BLACK)	DRIVE-CARRIER (BLACK) DATAPORT V PLUS SCSI 80 PIN SCA	1 lb. 12.3 oz.	673825400111
9086-135-01	DataPort VI Receiving Frame SCSI ULTRA2 WIDE SCSI/LVD	RECEIVING FRAME (Cast Aluminum) SCSI ULTRA F/W 68 PIN	1 lb. 1.8 oz.	673825400081
DataPort VII ~ ULTRA WIDE/ULTRA2 WIDE (LVD)				
9370-641-01	DataPort VII Complete Assembly ULTRA WIDE/ULTRA2 WIDE (LVD)	CARRIER & FRAME (PC WHITE) DATAPORT V PLUS SCSI ULTRA F/W	2 lbs. 13 oz.	673825100394
9091-601-01	DataPort VII Drive-Carrier ULTRA WIDE/ULTRA2 WIDE (LVD)	DRIVE-CARRIER (PC WHITE) DATAPORT V PLUS SCSI ULTRA F/W	1 lb. 8.2 oz.	673825100400
9092-641-01	DataPort VII Receiving Frame ULTRA WIDE/ULTRA2 WIDE (LVD)	RECEIVING FRAME (Cast Aluminum) SCSI ULTRA F/W	1 lb. 7.9 oz.	673825100417