



AWOS Central Data Platform Model 2090-I (M406112)

allweatherinc



GENERAL DESCRIPTION

In an AWOS system (Automated Weather Observing System), meteorological data is collected by sensors located at the touchdown zone of a runway, and is then transmitted by the Data Collection Platform—located at the sensor tower— or directly from each of the sensors themselves, to the Central Data Platform (CDP). The Model 2090-I CDP consists of a central processor, a high resolution display, a hard disk drive, a CD/DVD drive, a keyboard, and a mouse. The CDP receives data from the DCP and/or sensors and outputs the accurately processed current met weather data to connected displays. The CDP is also available in a standard 19-inch rack-mountable configuration. Also configured with multiple serial ports for various sensors and upgrades.

The CDP user's software utilizes an interactive menu system to configure and operate the AWOS. With the click of a mouse, the user can customize the system's operation or access nested menus containing data archives and system maintenance controls.

Up to two 90-second voice remarks can be entered by the operator at the CDP, and these will then be appended to the ongoing voice report. The voice remark is sometimes used in place of an Automatic Terminal Information System, or ATIS. Weather remarks are also entered at the CDP for transmission to remote displays. A running record of measured weather conditions and overall system operation is maintained in the CDP's archive files. This data is retained for one year, and may be accessed at any time for viewing or printing.

SENSORS

SPECIFICATIONS

Specification
4U ATX 20" DEPTH CHASSIS WITH 3- 5.25" AND 1- 3.5" EXTERNAL DRIVE BAYS (19" x 7.0 x 20.1")
500W ATX WITH PFC (24PIN POWER CONECTOR AND 8 PIN POWER CONNECTOR)
MOTHERBOARD - mATX Q45 INTEL CORE 2 DUO E8400/3GHZ (1333 MHZ) LGA775 SOCKET-L2 6 MB
INTEL CORE 2 DUO E8400/3GHZ (1333 MHZ) LGA775 SOCKET-L2 6 MB
Built-in SATA2 Controller 6x SATA (3Gbps) Drive Support 80GB BARRACUDA 7200.10 SATA 8MB CACHE
1GB KIT – 800MHZ DDR2 AM2 NON-ECC 2X512MB
DVDRW(R DL)/DVD-RAM 18X/18X/12X SATA INTERNAL 5.25"
20" RAIL SLIDES FOR 2U-8U CHASSIS
High Definition 5.1 Channel Audio
12 USB ports (6 Rear USB Ports + 2 On-Board with 2 Internal Headers)

ORDERING INFORMATION

Part Number	Description
2090-I	Central Data Platform
	(part 406112-02)

DIMENSIONS & WEIGHTS

Dimensions	17 x 6.95 x 20.1 inches
Weight	30 lbs.
Shipping Weight	32 lbs



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