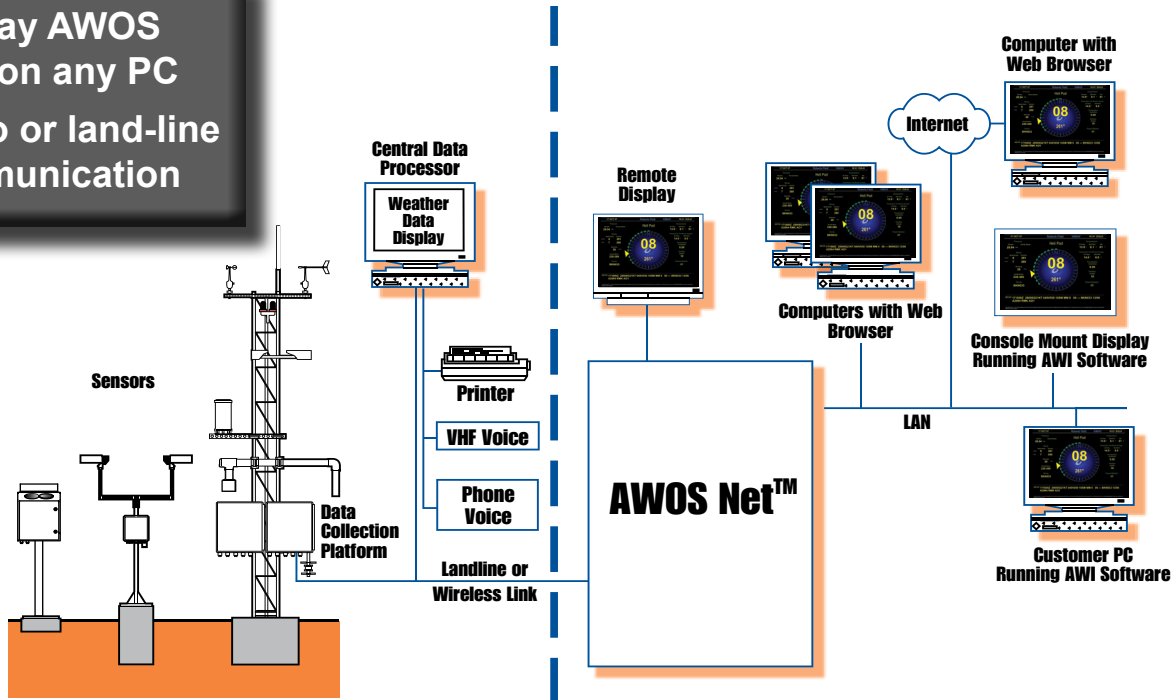




allweatherinc

AWOS Net Model 2210 & 2211

- Display AWOS Data on any PC
- Radio or land-line communication



Overview

AWOS Net is a data dissemination and display network that leverages the capability of All Weather, Inc's Automated Weather Observing System (AWOS) to broadcast current weather data to a flexible network of display stations. Using AWOS Net, preprocessed data from the FAA-certified AWOS is available to local and remote displays.

AWOS Net consists of an AWOS Net Controller and Communication Interface connected to an AWOS, along with one or more remote displays.

The AWOS Net receives data only from the AWOS system - it cannot send any information to the AWOS, and therefore cannot distort or otherwise alter the AWOS data.

Design

There are three communication option for the AWOS Net.

- The 2210 is the standard AWOS Net, with RS-232 communication to the AWOS.
- The 2210-U has a UHF radio for communication to the AWOS, for use when the AWOS Net is at a distance from the AWOS.
- The 2210-R uses RS-485 communication to the AWOS, for hard-wired connections greater than 500 feet.

The Model 2210 comes with a 17" flat panel LCD display.

The Model 2211 is an AWOS Net Controller only, with no monitor or communications package. This allows selection of larger monitor sizes (19", 22", 24", or no monitor at all) along with any of the three communication packages.

Communication

At a minimum of once per minute, the CDP broadcasts its latest data for all monitored parameters. The AWOS Net Controller acquires the data via the AWOS communications line from the CDP's Peripheral Interface, then encapsulates it and broadcasts it via Ethernet connection to all active remote connections. This permits AWOS Net Remote Displays to receive current data within milliseconds of the CDP broadcasting the update. To ensure the reliability of the data, all communications are validated for timeliness and correctness before display to the user.

The remote displays mirror the data displayed at the CDP following processing and application of the AWOS algorithms. Remote users can also view the weather data in a standard web browser via internet or local network connections.

DISPLAYS

SPECIFICATIONS

Parameter	Specification
Operating Temperature	32 to +122°F (0 to +50°C)
Storage Temperature	-40 to +140°F (-40 to +60°C)
Humidity	non-condensing
Supply Voltage (AWOS 900)	115 - 230 V AC
Supply Voltage (AWOS 3000)	8-30 V DC
Power Consumption	15-45 W
Processor	533 MHz VIA Eden
Memory	128MB SDRAM
Storage	<ul style="list-style-type: none"> 2.5" hard disk drive, 20GB IDE 2 Compact Flash slots DVD drive
USB	2 ports, USB v.1.1 & HCI v1.1 compatible
Ethernet	10/100 Base-T with LNK and ACT LEDs
Serial Port	One RS-232
Parallel Port	EPP/ECP compliant
VGA Output	1024×768 resolution
Watchdog	15 second time-out System power cycle on time-out Timer resets with IDE activity LED
Other	<ul style="list-style-type: none"> PS2 keyboard and mouse connections Real-time clock Power Status and IDE LEDs Power and Reset pushbuttons
Enclosure	Powder-coated aluminum

ORDERING INFORMATION

Part Number	Description
2210	AWOS Net Server w/17" Monitor
2210-U	AWOS Net Server for UHF Radio Communication
2210-R	AWOS Net Server for RS-485 Communication
2211	AWOS Net Server (no monitor)
M488308-00	VPN Kit (AWOS 3000)
M488293-00	RS-232 Kit for AWOS Net
M403456-02	RS-485 Kit for AWOS Net
M403457-02	UHF Radio Kit for AWOS Net

DIMENSIONS & WEIGHTS

AWOS Net Product Dimensions	7 1/16" x 7 1/16" x 3 7/8" (18 cm x 18 cm x 9.8 cm)
AWOS Net Product Weight	5.35 lbs (2.43 kg)
17" Monitor Product Dimensions	14 3/4" x 14 3/4" x 6 1/4" (37.5 cm x 37.5 cm x 15.9 cm)
17" Monitor Product Weight	11.21 lbs (5.1 kg)
AWOS Net Shipping Dimensions	9" x 9" x 5" (22.9 cm x 22.9 cm x 12.7 cm)
AWOS Net Shipping Weight	6.5 lbs (2.95 kg)
17" Monitor Shipping Dimensions	16" x 16" x 10" (40.6 cm x 40.6 cm x 25.4 cm)
17" Monitor Shipping Weight	12.5 lbs (5.67 kg)



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