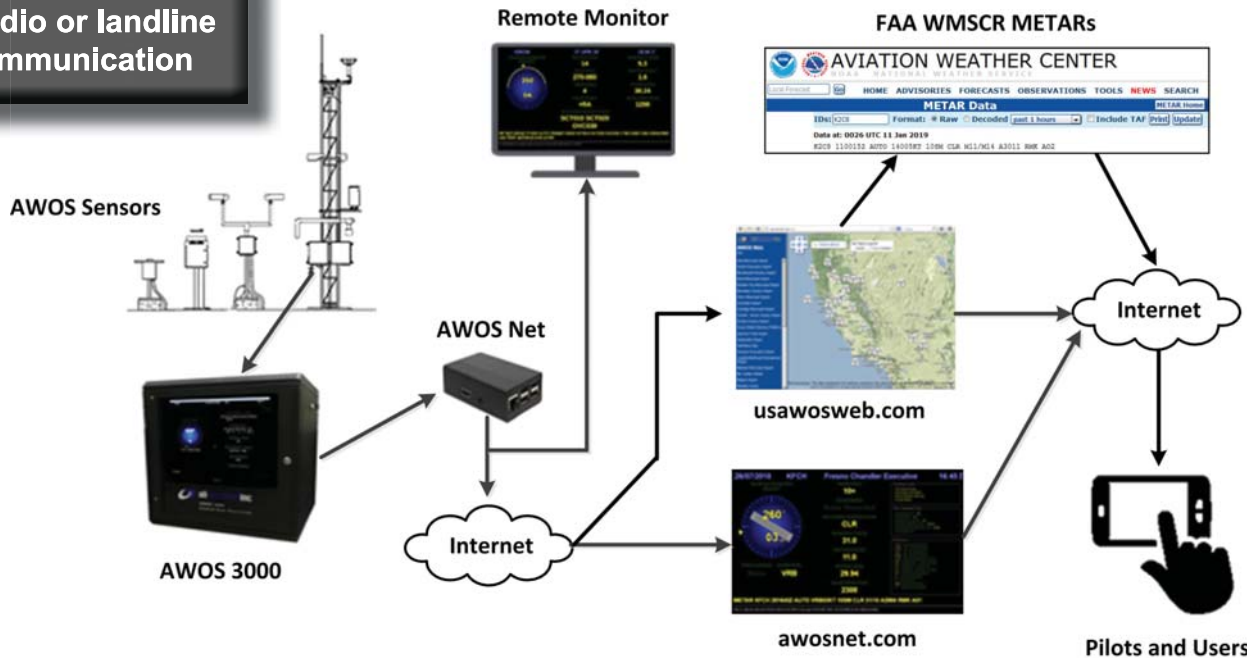# AWOS Net
Model 3210 & 3211

allweatherinc

- **Display AWOS Data on any PC**
- **Radio or landline 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. AWOS Net allows preprocessed data from the FAA-certified AWOS to be displayed at local and remote displays.

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

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.

Communications

The CDP broadcasts its latest data for all monitored parameters at least one per minute. The AWOS Net Interface acquires the data via the AWOS communications line from the CDP, then encapsulates it and makes it available via Ethernet to all active remote connections.

AWOS Net integrates into the existing airport network using the automatic DHCP protocol. No special networking is needed.

AWOS Net is also used to provide AWOS data to WMSCR and NADIN. Subscribing to these services allows weather data to be available on the usawosweb.com and awosnet.com web sites with one-minute updates.

Communication Options

There are four communication options for the AWOS Net.

- RS-232 inside AWOS.
- Extended RS-232 up to 30 m using customer-supplied CAT5/6 cable.
- RS-485 for distances up to 1200 m.
- UHF radio.

Models

- The 3210 series includes either a 20"–22" LCD display or a VGA adapter.
- The 3211 series is an AWOS Net Interface only with no monitor. This series can be used for viewing with a customer-supplied HDMI monitor or via a web browser with an Internet connection.

DISPLAYS

SPECIFICATIONS

Parameter	Specification
Operating Temperature	32 to +122⁰F (0 to +50ºC)
Storage Temperature	-40 to +140⁰F (-40 to +60ºC)
Humidity	Non-condensing
Supply Voltage	5 V DC via micro USB connector 110–240 V AC adapter included with some models
Power Consumption	12.5 W
Processor	1.2 GHz Broadcom BCM2837
Memory	1 GB RAM
Storage	microSD port for OS
USB	4 ports, USB 2
Ethernet	10/100 Base-T
Video Output	HDMI VGA adapter included with some models
Status Light	Power and Activity
Enclosure	Powder-coated aluminum

ORDERING INFORMATION

-A *RS-232 (AWOS Internal)*
-E *Extended RS-232*
-R *RS-485*
-U *UHF Radio*
-Z *Retrofit (AWOS Internal)*
-S *Retrofit (AWOS External)*

		Part Number											
		3210 (display)						3211 (no display)					
		-A	-E	-R	-U	-Z	-S	-A	-E	-R	-U	-Z	-S
Install Location	Inside AWOS 3000, powered by AWOS	X				X		X				X	
	Outside AWOS, has AC adapter		X	X	X		X		X	X	X		X
Display	HDMI Monitor	X	X	X	X								
	HDMI Cable		X	X	X								
	VGA Adapter (customer VGA display)					X	X						
Network	Includes 3 m CAT5/5 cable	X	X	X	X			X	X	X	X		
	Includes 60 cm CAT5/6 cable	X						X					
Communications	RS-232 (inside AWOS)	X						X					
	Extended RS-232 (customer CAT5/6 cable)		X						X				
	RS-485			X						X			
	UHF Radio				X						X		