

**Next-AWOS** is solution that is designed and developed using algorithms approved by ICAO/WMO & FAA, Next-AWOS is a ready-made solution suitable for Cat-1 and above airports that require a reliable and proven working system for AWOS Information to the relevant parties – Air Traffic Controllers, Pilots, Meteorological agencies and others.

Next-AWOS, fully web-enable and capable of supporting access from web browser on PC, tablets and also smartphones. It is also designed to support homogeneous sensors environment, it works with various brands of wind or visibility sensors or transmissometers.

Next-AWOS is a modular software suite where it can also work with any data logger or data acquisition electronics that conform to industrial standard protocol.

For the most optimal performance, Next-AWOS is optimally tuned to work with NX7560 where the data logger that perform the followings:

- Data Acquisition
- Data Validation
- Data Processing
- Data Transmission
- Data Logging
- Data Visualisation

Next-AWOS is a scalable system that cater for single airport environment to large deployment where multiple airports are to be integrated. Built to interchange and transmit data in real time, the system is capable of ensuring necessary information – wind, mor, rvr, visibility, barometric readings, cloud, lightning data and maintenance data – is delivered to the end user in the most relevant manner. Access to the system is 24x7 from anywhere at anytime without having any plugins required in your device. And, Next-AWOS is highly customizable to suit your needs.

Next-WinRVR features:

- Real Time Data Processing
- Web Interface
- ICAO/FAA/WMO standards
- Scalable Architecture
- Supports PC, Tablets, Smartphones
- Large Data Storing
- Tabular & Graphical Charting
- Downloadable Data
- Support RDBMS or Proprietary or NoSQL (user selectable)
- Real Time Running Graph
- Built-in Alert Monitoring and Alarm
- Highly Customizable

**WE PAY ATTENTION TO ACCURACY,  
DETAIL & RELIABILITY**



## SPECIFICATION LIST

<p><b>Sensors</b></p> <ul style="list-style-type: none"><li>• Wind Speed and Wind Direction Sensor</li><li>• Visibility/ Ambient Light Sensor</li><li>• Present Weather Sensor</li><li>• Transmissometer</li><li>• Rain</li><li>• Ceilometer</li><li>• Barometer &amp; Relative Humidity</li><li>• Lightning Detection</li></ul> <p><b>Data Logger and Telemetry</b></p> <p>Hardware</p> <ul style="list-style-type: none"><li>• Minimum ARM9 200MHz RISC-based Processor CPU</li><li>• Minimum 64MB On board RAM Memory</li><li>• Communication Ports - 10/100 Mbps and USB Ports</li><li>• RS232 and RS485 Serial Ports</li><li>• Analog Ports (built-in)</li><li>• Digital Ports (built-in)</li></ul> <p>Storage</p> <ul style="list-style-type: none"><li>• Minimum 1GB CompactFlash or SD Flash Card or USB</li></ul> <p>LCD Display</p> <ul style="list-style-type: none"><li>• 24 x 2 LCD Display</li></ul> <p>Software and Firmware</p> <ul style="list-style-type: none"><li>• Embedded Linux, Browser</li><li>• Web Server</li><li>• NX7560</li><li>• RDBMS/Non Relational Database/File System</li></ul> <p>Enclosure</p> <ul style="list-style-type: none"><li>• IP-65</li></ul> <p>Communications</p> <ul style="list-style-type: none"><li>• GSM (GPRS, EDGE &amp; 3G)</li><li>• WIFI/ Wimax</li><li>• ADSL &amp; SDSL Asynchronous Line Data Processing Software</li></ul> <p>User Interface</p> <ul style="list-style-type: none"><li>• Internet Explorer, Firefox and other browsers</li></ul> <p><b>Integration To External Systems</b></p> <ul style="list-style-type: none"><li>• Data Streaming (real time)</li><li>• TCP/IP</li><li>• PPP</li><li>• HTTP</li><li>• FTP</li></ul>	<p><b>NEXT-AWOS</b></p> <p>WMO Messages</p> <ul style="list-style-type: none"><li>• Automatic &amp; Manual METAR/ SPECi</li><li>• TREND &amp; SYNOP Edit</li></ul> <p>Warning/Alert</p> <ul style="list-style-type: none"><li>• Audio Alarm/On Screen Display Alert</li></ul> <p>Realtime Display</p> <ul style="list-style-type: none"><li>• Meteorological Information</li><li>• Equipment Status &amp; Maintenance Data</li><li>• Network Status</li><li>• Accessible by PC (Windows/Mac), Tablets (Ipad/Androids), Smartphones (iPhone/Androids/Windows Mobile)</li></ul> <p>Data Processing</p> <ul style="list-style-type: none"><li>• Wind Speed &amp; Direction</li><li>• Cross/ Head/ Tail Wind/Gust</li><li>• RVR &amp; MOR</li><li>• Barometric Data</li><li>• Running Charts</li><li>• Enquiry</li></ul> <p>File Output</p> <ul style="list-style-type: none"><li>• PDF (Graphical/Tabular Charts)</li><li>• CSV</li><li>• ASCII</li><li>• HTML &amp; XML</li></ul> <p>Database</p> <ul style="list-style-type: none"><li>• RDBMS/Non Relational Database/File System</li></ul> <p>Operating Environment</p> <ul style="list-style-type: none"><li>• Linux or Windows</li></ul> <p><b>Integration To External Systems</b></p> <ul style="list-style-type: none"><li>• Data Streaming (real time)</li><li>• TCP/IP</li><li>• PPP</li><li>• HTTP</li><li>• FTP</li></ul>
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