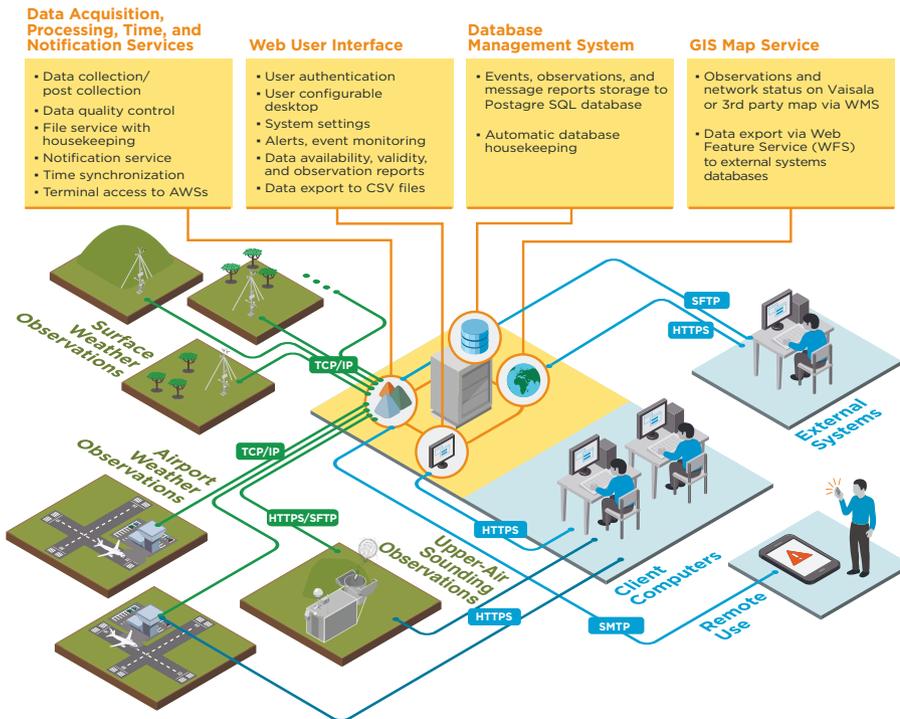


Vaisala Observation Network Manager NM10



One Platform Is All You Need

Vaisala Observation Network Manager NM10 is a fully integrated system for efficiently managing weather observation networks. Perfect for both small and large networks, it is fully scalable to make extending your system quick and easy. NM10 allows you to collect high-quality data from all your sites and keep your network up and running continuously.

Implementing a COTS software solution, customized for your purpose, can help you cut overall system procurement and long-term maintenance costs. With a clear view of the true cost of your initial investment, you can avoid surprises. And because we continuously develop the product to meet your needs, we can help you maintain and upgrade the system for years to come.

Network Status At a Glance

The browser-based user interface displays all your data in one place, making it easy to monitor data quality and view the status of the network and its components.

Control and diagnose airport and AUTOSONDE® systems via a remote desktop or even web browser connection. Using the IO terminal application, you can send commands to the weather stations and other field devices.

Configure the layout and displayed data to clearly visualize the weather conditions at the observation sites.

Even 3rd party system can be connected when considered applicable. Email notifications are provided to take timely action when needed.

Benefits

- One secure platform to manage small and large observation networks with high-quality data 24/7
- Affordable and easy to buy and maintain over the product life cycle
- Efficiency through optimized central operations combining remote monitoring, control and diagnostics

Autonomous System With Open Interfaces

All the data is automatically gathered from observation sites. Fully automatic database and archive housekeeping removes old data from the database and file system according to user-defined preferences. A standard web feature service (WFS) and FTP/SFTP interface are provided for accessing stored data and retaining it for further processing.

Technical Data

Features

Data acquisition	Vaisala surface weather stations Vaisala AviMet® airport systems Vaisala AUTOSONDE® systems ASCII string message parsing from third-party measurement systems (when applicable)
Data post collection	Vaisala surface weather stations
Data processing	Range, step, and persistence checks for surface weather station observations
Data storage	PostgreSQL database Observation and event text files Configurable database management system
Time services	Time synchronization for Vaisala surface weather stations NTP system time synchronization
Notification services	Configurable SMTP email alerts
Remote site access	Terminal connection for weather stations RDP over HTTPS for airport and AUTOSONDE® systems Web browser connection via HTTPS to AUTOSONDE® systems
Web user interface	Client connection via HTTPS User authentication and administration User configurable desktop and widgets Map, list, graph, wind-rose, and text widgets System settings Sound alerts, events monitoring Alarm acknowledgement Grant or deny balloon release Observation data reports Data availability and validity reports Translation for local language(s) Context sensitive help
GIS map service	GeoServer with OpenStreetMap world map

	Standard map max. zoom level: 1:433K Enhanced map max. zoom level: 1:6759 WMS interface for third-party map data
Data export	FTP/SFTP, WFS via HTTPS

Minimum System Requirements*

Processor	2.0+ GHz, 4-core CPU or higher
RAM	8 GB or higher (with standard GIS map) 16 GB or higher (with enhanced GIS map)
Hard drive	300 GB or higher (with standard GIS map) 1 TB or higher (with enhanced GIS map)
Operating system	Microsoft Windows Server 2008 R2 Microsoft Windows 7 Professional SP1 (64bit)
Ethernet	10/100/1000 MB
Other peripherals	DVD-RW drive, keyboard, mouse
Web browsers	Microsoft Internet Explorer 9 or later Mozilla Firefox v.25 or later Google Chrome v. 31 or later.
Monitor resolution	1366 x 768 or higher

*Exact system requirements for computer hardware is dependent on the number and type of observation sites connected, amount of data collected, data acquisition interval(s), data storage time, maximum number of concurrent web clients connected, and features selected by the customer. For further information and more detailed specifications, please contact Vaisala.



VAISALA

Please contact us at
www.vaisala.com/requestinfo



Scan the code for more information

Ref. B211408EN-B ©Vaisala 2015

This material is subject to copyright protection, with all copyrights retained by Vaisala and its individual partners. All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. The reproduction, transfer, distribution or storage of information contained in this brochure in any form without the prior written consent of Vaisala is strictly prohibited. All specifications — technical included — are subject to change without notice.

www.vaisala.com

