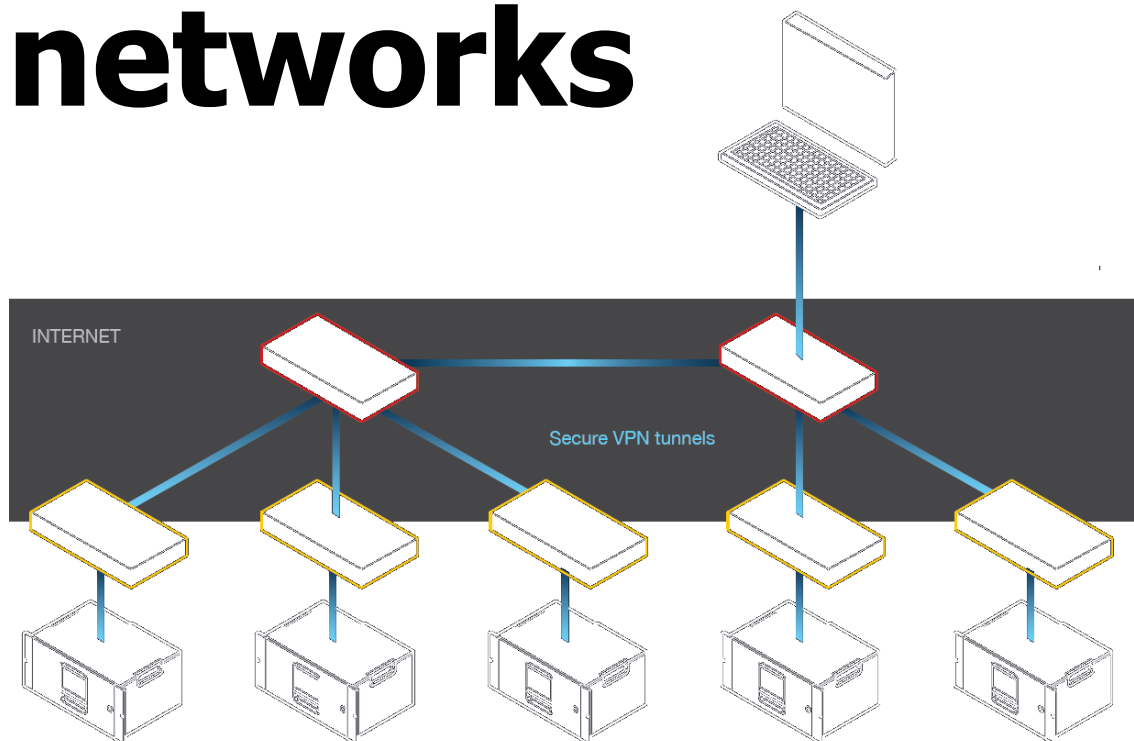


Remote management of Aethalometer[®] networks



AethNET[™] network package

AethNET is an integrated hardware and software package that connects Aethalometers to a virtual remote management point for instrument control, data storage and analysis. Continuous automatic supervision of operational parameters can create alarms and e-mail notifications to alert operators to any potential problems. Status reports assure managers of maximum data validity up-time. **Remote access** to any connected Aethalometer permits verification of operational parameters, instrument status and data; and permits changes to be made if necessary.



Manufactured in Europe by
Aerosol d.o.o., Ljubljana, Slovenia

Product specifications

WHO IS AethNET™ FOR?

Nobody wants to check the instrument data after a month only to find out that something went wrong and no useful data is available. Whether you have one instrument or many, it is important to have them under constant control. AethNET provides constant monitoring without ever leaving the office. AethNET is practically a must when larger number of instruments are used or if the instruments are in remote locations. It should also be used even with one instrument if data loss is unacceptable.

BENEFITS

- Negligible data loss.
- Data available in real-time.
- No need for field trips to check up on instruments.
- Instrument parameters can be changed remotely.
- Data stored in a database for easy analysis.
- Automatic reports.
- Data is available on the internet and can be shared.
- No need to worry about data acquisition and storage, if AethNET management is outsourced to Aerosol.

KEY FEATURES

- Aethalometers AE33 for measuring black carbon concentrations. External devices can be added for other air quality parameters.
- All AethNET devices (Aethalometers, routers, UPS, servers) can be controlled from the office.
- Instrument and network state of health is available to the operators.
- Color coding, mail notifications and reports are used to keep operators informed.
- Time plots of all relevant parameters.
- Data transfer statistics to help identify problematic connections.
- New instruments are automatically detected.
- System accessible from anywhere where internet connection is available.
- Software based on Microsoft Windows is easy to install and operate.
- All data is stored in Windows SQL server database.
- VPN is used for secure communication.
- All devices are connected to UPS.

SPECIFICATIONS

Black Carbon MEASURING DEVICE

Aethalometer® AE33

INTERNET INFRASTRUCTURE

1 Mbps at field stations and 10 Mbps at the data-center

VPN ROUTERS

Cisco 881 at field stations and Cisco 1921 at the data-center

UPS

APC SURTD 3000 XLI UPS ensuring several hours of autonomy.

SERVER

HP ProLiant 380e Gen8 server

DATABASE

MicroSoft SQL server



Scan the code for more info



StationName	IP	Sts	BC	BCavg	K	Kavg	TAult	TAint	Flow	cpu	disk	speed	dataID	extID	lastDataTime
AE33-502-00264	10.0.0.63	0	1918	1808	3.573e-3	5.023e-3	405	0.00	5005	5	7317	0.017	21024	0	2015/06/12 14:04
AE33-502-00265	10.0.0.85	0	2223	1577	6.786e-3	5.201e-3	407	0.00	4968	5	7311	0.017	26257	0	2015/06/12 14:05
AE33-502-00261	10.0.0.81	0	1779	1274	2.971e-3	2.242e-3	418	0.00	5012	5	7311	0.017	24205	10890	2015/06/12 14:04
AE33-502-00262	10.0.0.79	0	2094	1429	4.101e-3	4.875e-3	277	0.00	5008	5	7645	0.017	24028	20457	2015/06/12 14:04
AE33-502-00264	10.0.0.43	260	11	3	9.801e-3	9.631e-3	-97	0.00	5004	5	7302	0.017	39979	18876	2015/06/12 14:05
AE33-502-00270	10.0.0.82	0	1851	1778	2.804e-3	3.182e-3	102	0.00	5010	5	7303	0.017	37265	0	2015/06/12 14:06
AE33-502-00277	10.0.0.78	0	1909	1701	3.896e-3	2.713e-3	411	0.00	5003	5	7844	0.017	22844	0	2015/06/12 14:02
AE33-502-00278	10.0.0.34	260	4	0	9.476e-3	18.116e-3	-82	0.00	5004	5	7297	0.017	47274	0	2015/06/12 14:07
AERO	10.0.0.77	0	1706	1631	1.444e-3	3.806e-3	394	1.57	4998	5	7632	0.017	84639	0	2015/06/12 14:04
AMES_1	10.0.0.31	259	0	0	1e-5	0	-95	0.00	0	5	7316	0.017	22710	0	2015/06/12 14:05
AMES_2	10.0.0.22	0	1582	1415	7.318e-4	3.786e-3	333	18.83	5000	7	6808	0.017	130512	0	2015/06/12 10:35
AMES_3	10.0.0.33	260	7	1	9.895e-3	8.771e-3	-89	0.00	4999	5	7303	0.017	78854	0	2015/06/12 14:03
AMES_4	10.0.0.39	260	11	0	9.950e-3	9.205e-3	-80	0.00	4998	5	7299	0.017	44904	0	2015/06/12 14:04
KIM	10.0.0.32	260	27	0	3e-5	1e-0	-94	0.00	4992	5	7318	0.017	22709	0	2015/06/12 09:34
KISS_1	10.0.0.76	0	2121	1704	5.807e-3	8.127e-3	334	1.57	5006	6	7300	0.017	42971	0	2015/06/12 14:05
KISS_2	10.0.0.84	0	1728	1492	8.186e-4	1.231e-3	395	0.00	5001	5	7300	0.017	41862	0	2015/06/12 14:03

Station AE33-S02-00261 (AE33-S02-00261)

Log TestReports Synchronize RemoteControl Diagnostic UPS Help

HOME	OPERATION	DATA	ABOUT
BC		16155	ng/m ³
UVPM		14506	ng/m ³
REPORTED FLOW (AMCA)		5.0	LPM
TIMEBASE		60	s
TAPE ADV. LEFT		108	
STATUS		0	✔
21 Aug 2015 16:27:35			
AE33-S02-00261			

AEServer 10.0.0.9 Update @ 2015/08/21 16:29:13 2015/08/21 16:29:13

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or the distributor responsible for your country.