

EMIT SIM



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EMIT SIM 软件的功能

- EMIT是DESCO公司静电消除设备和接地监测器等产品品牌，通过配套的SIM (Smart Ionization & Monitoring)软件可以设备组网和远端监控及记录
- SIM软件配套以下设备：

| | |
|-----------------|-----------------------------|
| ■ ZVI桌面型例子风机 | 产品型号：50670 |
| ■ ZVI吊顶型例子风机 | 产品型号：50671(2风扇); 50672(3风扇) |
| ■ ZVM SOLO接地监测器 | 产品型号：50576(单工位) |
| ■ ZVM接地监测器 | 产品型号：50528(双工位) |
| ■ DPM接地监测器 | 产品型号：50522(双工位) |
| ■ ULVM接地监测器 | 产品型号：50580(双工位) |
- SIM软件可以单独监控上述任何一种产品，上述所有产品也可以混合组网由SIM软件监控
- 所有设备组网采用RS-485线缆菊花链方式连接，单组最远距离可达1200米
- SIM软件可运行于Windows XP, Windows Vista和Windows 7系统(32位或64位)



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EMIT SIM 软件的优点

- 超级稳定性
 - 离子风机或接地监测仪发出的报警有可能会被员工忽略
 - SIM会记录和显示非正常事件, 管理人员可以知道详细情况
 - 不再需要人工每天检查各设备状况
- 快速确认故障
 - 所有报警和非正常状况都自动记录
 - 查看记录可以确认非正常事件
- 校正和维护管理
 - 用户可设置校正或维护计划, 软件会根据设置提醒管理人员



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载入和记录每个设备发生的事件

| Location | Name | DeviceType | UnitID | Operator | Condition | DateStamp | TimeStamp | Duration |
|----------|-----------------|---------------|---------|----------|-----------------------|------------|-----------|----------|
| NH1 | Peter George | ULVM | 1103012 | 1 | Operator Fail | 2011-11-04 | 9:31 AM | 00:00:37 |
| Assembly | Victor Arellano | ZVMSolo | 1145003 | 1 | Tool Fail | 2011-11-04 | 9:31 AM | 00:00:37 |
| CA1-2 | Alex Hernandez | ZVI Overhead | 3 | 0 | Balance Fail | 2011-11-04 | 9:31 AM | 00:00:35 |
| CA1 | Angela Ramirez | ZVI Bench Top | 2 | 0 | Balance Fail | 2011-11-04 | 9:31 AM | 00:00:36 |
| Test Lab | Martha Martinez | DPM | 0 | 1 | Mat Fail | 2011-11-04 | 9:31 AM | 00:00:35 |
| S1-3 | Ted Krueger | ZVM | 0 | 1 | Not Responding - Fail | 2011-11-04 | 9:31 AM | 00:00:34 |
| S1-3 | Dennis Loomer | ZVM | 0 | 2 | Not Responding - Fail | 2011-11-04 | 9:31 AM | 00:00:34 |

- SIM软件载入和记录所有通过RS-485连接线组网设备的数据
- 选取“Current Fault”可以筛选出所有非正常报警
- 可跟踪设备型号, 使用人员, 设备所在地址, 非正常类型, 发生的日期和时间, 报警持续的时间等



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| ZVM Solo Status | | | | | | | |
|-----------------|----------|--------|---------------|---------------|-------------|-------------|-------------|
| | Location | Name | Operator | Supervisor | MAT | TOOL | Charge |
| ▶ | Assembly | Albert | PASS | PASS | FAIL | PASS | PASS |
| | Lab | Rob | PASS | PASS | PASS | PASS | PASS |
| | Assembly | Paul | PASS | NOT CONNECTED | PASS | PASS | PASS |
| | Assembly | Chris | PASS | PASS | PASS | PASS | PASS |
| | Lab | Mark | FAIL | NOT CONNECTED | FAIL | PASS | PASS |
| | Lab | Jim | FAIL | PASS | PASS | PASS | PASS |
| | Assembly | Diane | PASS | PASS | PASS | PASS | PASS |
| | Lab | Peter | PASS | PASS | PASS | PASS | PASS |
| | Assembly | Carlos | NOT CONNECTED | NOT CONNECTED | PASS | PASS | PASS |
| | Lab | Sandy | NO RESPONSE | NO RESPONSE | NO RESPONSE | NO RESPONSE | NO RESPONSE |
| * | | | | | | | |

| ZVI Status | | | | | | |
|------------|----------|---------|---------------|------|------|------|
| | Location | Name | DeviceType | Fan1 | Fan2 | Fan3 |
| ▶ | Assembly | Victor | ZVI Bench Top | PASS | | |
| | Assembly | Albert | ZVI Bench Top | PASS | | |
| | Assembly | Matt | ZVI Bench Top | PASS | | |
| | Lab | John | ZVI Bench Top | PASS | | |
| | Assembly | Diane | ZVI Bench Top | PASS | | |
| | Lab | Alex | ZVI Bench Top | PASS | | |
| | Lab | Bob | ZVI Overhead | PASS | PASS | |
| | Lab | Roberto | ZVI Overhead | PASS | PASS | |
| | Lab | Pete | ZVI Overhead | PASS | PASS | PASS |
| | Lab | Paul | ZVI Overhead | PASS | PASS | PASS |
| | Lab | Rob | ZVI Overhead | PASS | PASS | PASS |

- 点击导航条上的各设备名称查看从该类型设备导入的数据
- 显示各设备PASS, FAIL, NOT CONNECTED等状况

MONITORED DEVICES

Ionizers

ZVM

Dual Programmable Monitor

ZVM Solo

ULVM

Faults



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生成报告

ZVI Activity Report

2011-08-10 4:01:16PM

| Location | Name | DeviceType | Status | Date | Time | Duration | ComPort | Unit ID |
|----------|--------|---------------|-----------------------|------------|----------|----------|---------|---------|
| Assembly | Victor | ZVI Bench Top | Balance OK | 08/10/2011 | 15:56.57 | 00:01:54 | COM1 | 1 |
| Assembly | Victor | ZVI Bench Top | Not Responding - Fail | 08/10/2011 | 15:56.08 | 00:00:34 | COM1 | 1 |
| Assembly | Victor | ZVI Bench Top | Balance OK | 08/10/2011 | 15:55.53 | 00:00:00 | COM1 | 1 |
| Assembly | Victor | ZVI Bench Top | Not Responding - Fail | 08/10/2011 | 15:54.48 | 00:00:41 | COM1 | 1 |
| Assembly | Victor | ZVI Bench Top | Balance OK | 08/10/2011 | 15:16.59 | 00:01:15 | COM1 | 1 |
| Assembly | Victor | ZVI Bench Top | Balance OK | 08/10/2011 | 15:13.54 | 00:01:19 | COM1 | 1 |
| Lab | Todd | ZVI Overhead | Pass, Pass, Pass | 08/10/2011 | 15:55.53 | 00:02:59 | COM1 | 2 |
| Lab | Todd | ZVI Overhead | Pass, Pass, Pass | 08/10/2011 | 15:54.48 | 00:00:42 | COM1 | 2 |
| Lab | Todd | ZVI Overhead | Pass, Pass, Pass | 08/10/2011 | 15:17.00 | 00:01:14 | COM1 | 2 |
| Lab | Todd | ZVI Overhead | Pass, Pass, Pass | 08/10/2011 | 15:13.54 | 00:01:19 | COM1 | 2 |

Select Report

DEVICES TO REPORT

Smart Hub ZVM Solo ALL

Ionizers ULVM

DATES TO REPORT

Start Date End Date

October, 2011 October, 2011

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 25 | 26 | 27 | 28 | 29 | 30 | 1 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | 1 | 2 | 3 | 4 | 5 | 30 | 31 | 1 | 2 | 3 | 4 | 5 |

Today: 2011-10-28 Today: 2011-10-28

Show Faults Only

Run Report Cancel

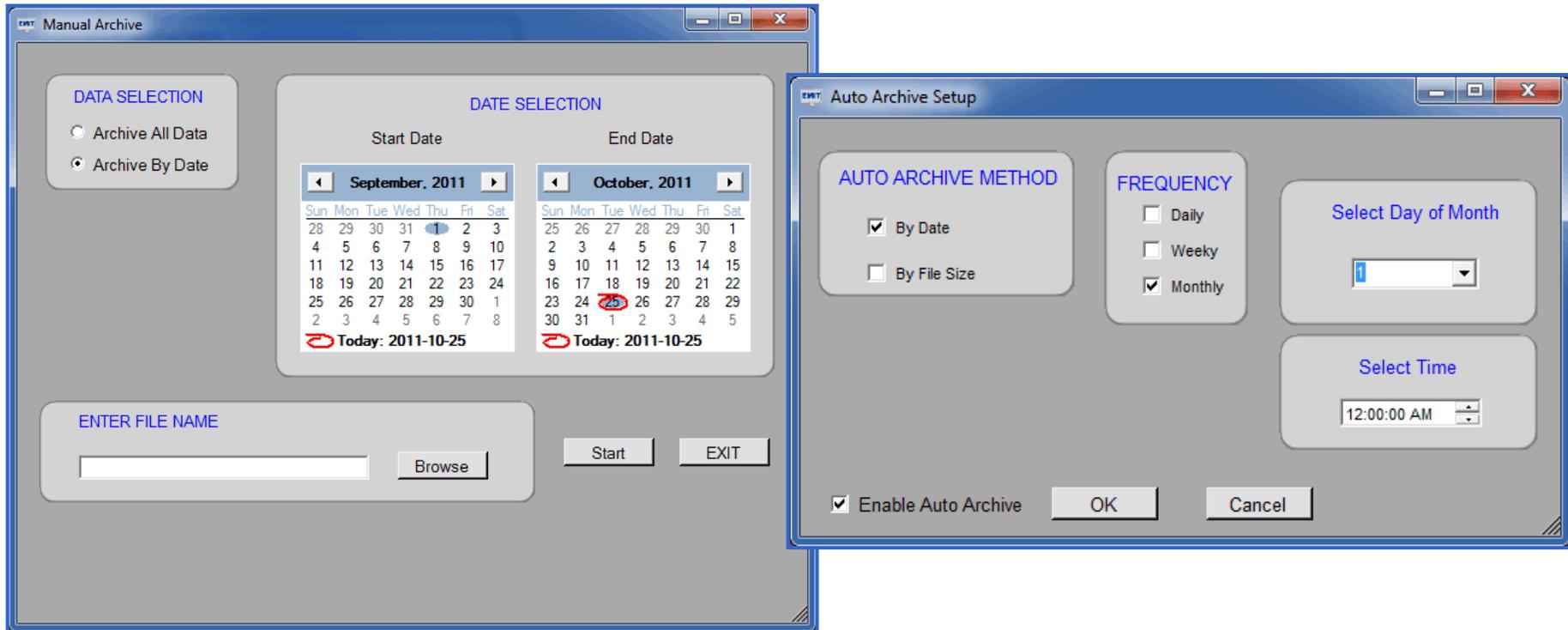
- 生成具体报告
- 可通过设备类型, 日期, 状况来筛选数据
- 报告显示事件持续的时间, 有助于快速查出问题原因
- 报告可导出到Excel, Word等应用程序, 还可以生成PDF文档格式



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数据存档



- 自动或手动存档数据
- 按日期或文件大小存档
- 设置按每天, 每星期, 每月来存档数据



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管理校正计划

The screenshot shows two windows from the EMIT SIM software. The 'Calibration Log' window displays a table of device calibration records. The 'Calibration Settings' window allows for configuring the re-calibration notifier for various device types.

| | Location | Name | Device Type | ComPort | HUBAddress | PortAddress | UnitID | SerialNumber | LastCalibration | NextCalibration |
|---|----------|-----------------|---------------|---------|------------|-------------|---------|--------------|-----------------|-----------------|
| ▶ | Assembly | Roberto Garayo | ZVMSolo | COM1 | 0 | 0 | 1140005 | 505761140005 | | 1900-01-01 |
| | NH1 | Peter George | ULVM | COM1 | 0 | 0 | 1103012 | 505801103012 | | 1900-01-01 |
| | S1-2 | Ricardo Garcia | ZVM | COM1 | 0 | 3 | 0 | 505281002026 | 2010-01-05 | 2011-01-05 |
| | Test Lab | Martha Martinez | DPM | COM1 | 1 | 1 | 0 | 505221003005 | 2010-01-12 | 2011-01-12 |
| | CA1 | Juan Rivera | ZVI Bench Top | COM1 | 0 | 0 | 1 | 506631021001 | 2010-05-26 | 2011-05-26 |
| | S1-3 | Ted Krueger | ZVM | COM1 | 0 | 1 | 0 | 505281051010 | 2010-12-20 | 2011-12-20 |
| | CA1 | Angela Ramirez | ZVI Bench Top | COM1 | 0 | 0 | 2 | 506701102005 | 2011-01-04 | 2012-01-04 |
| | CA1-2 | Alex Hernandez | ZVI Overhead | COM1 | 0 | 0 | 3 | 506651131002 | 2011-06-16 | 2012-06-16 |
| | CA3 | Matt Bode | DPM | COM1 | 0 | 2 | 0 | 505221142001 | 2011-08-24 | 2012-08-24 |
| | Assembly | Victor Arellano | ZVMSolo | COM1 | 0 | 0 | 1145003 | 505761140003 | 2011-10-24 | 2012-10-24 |
| | Test Lab | Ryan Paules | ZVMSolo | COM1 | 0 | 0 | 1141002 | 505761141002 | 2011-11-02 | 2012-11-02 |
| | Assembly | Ron Butler | ZVMSolo | COM1 | 0 | 0 | 1141001 | 505761141001 | 2011-11-02 | 2012-11-02 |
| * | | | | | | | | | | |

Calibration Settings

RE-CALIBRATION NOTIFIER (Months)

- ZVI Bench Top: 10
- ZVI Overhead: 11
- ZVM: 12
- Dual Programmable Monitor: 12
- ZVM Solo: 9
- ULVM: 12

OK Cancel

Devices Due for Calibration

- 采用校正日志管理设备编号和校正日期
- 软件自动周期性检查每个设备是否到了校正期
- 可为每个设备设置1-12个月的校正期
- 到了所设置的校正期, 报警显示或通过邮件通知



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邮件通知

Email Setup

USER INFORMATION

Your Name: John Doe

E-mail Address: John.Doe@Company.com

Password: *****

SERVER INFORMATION

Outgoing mail server: smtp.company.com
Example: smtp.gmail.com

EMAIL Type: SMTP

Port Address: 25

SSL Required: NO

EMAIL FREQUENCY

Daily Weekly Monthly

Enable EMAIL

RECIPIENT INFORMATION

| | Email Address |
|---|--------------------------|
| ▶ | Steven.Smith@Company.com |
| | Michael.Guy@Company.com |
| * | |

E-mail Address: _____

Subject Text: Calibration Due Alert

Delete Add

OK Cancel

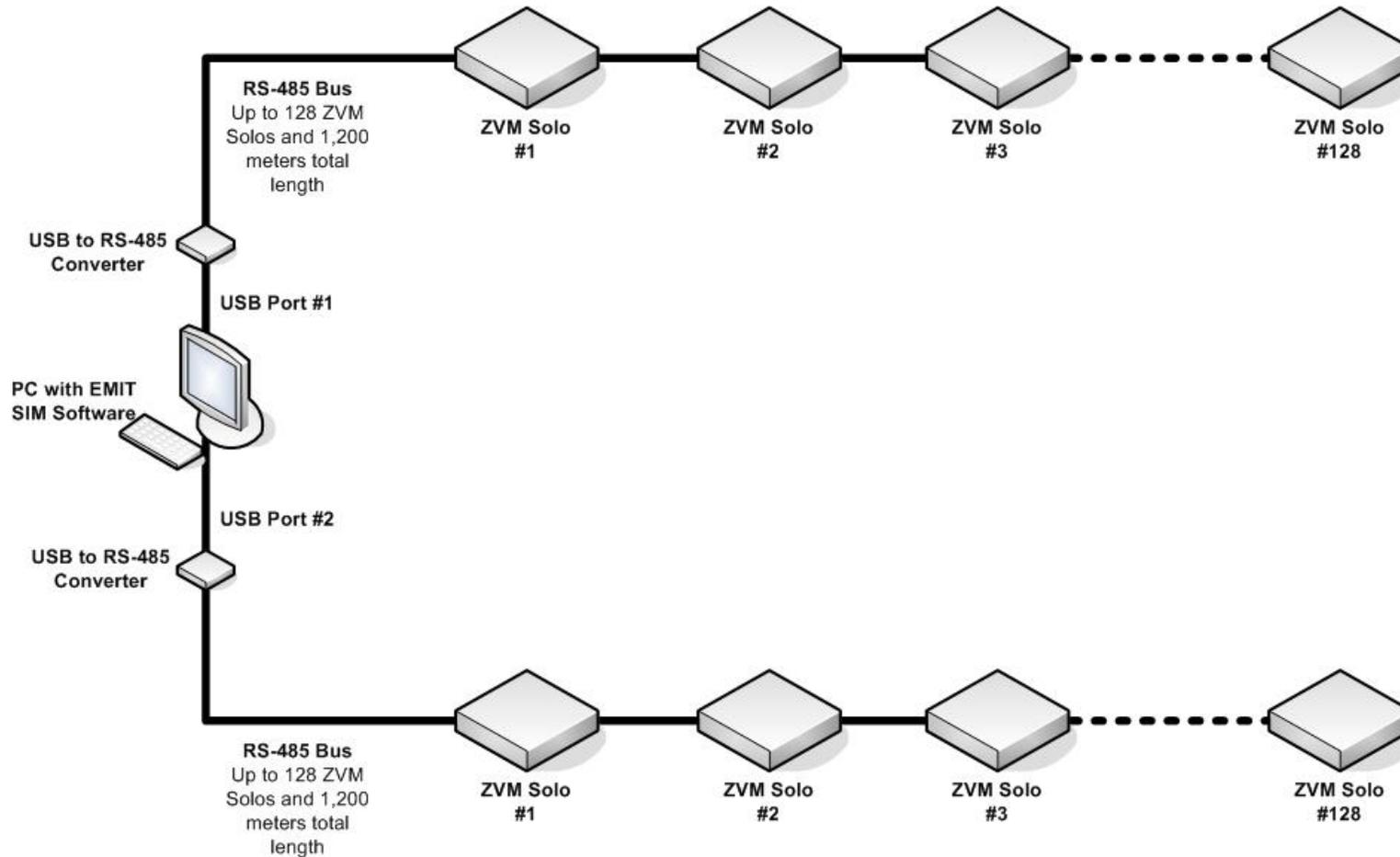
- 各个设备到了所设置的校正期, 软件自动发送邮件通知
- 可预先设置收件人名录, 软件自动通知名录上的人员



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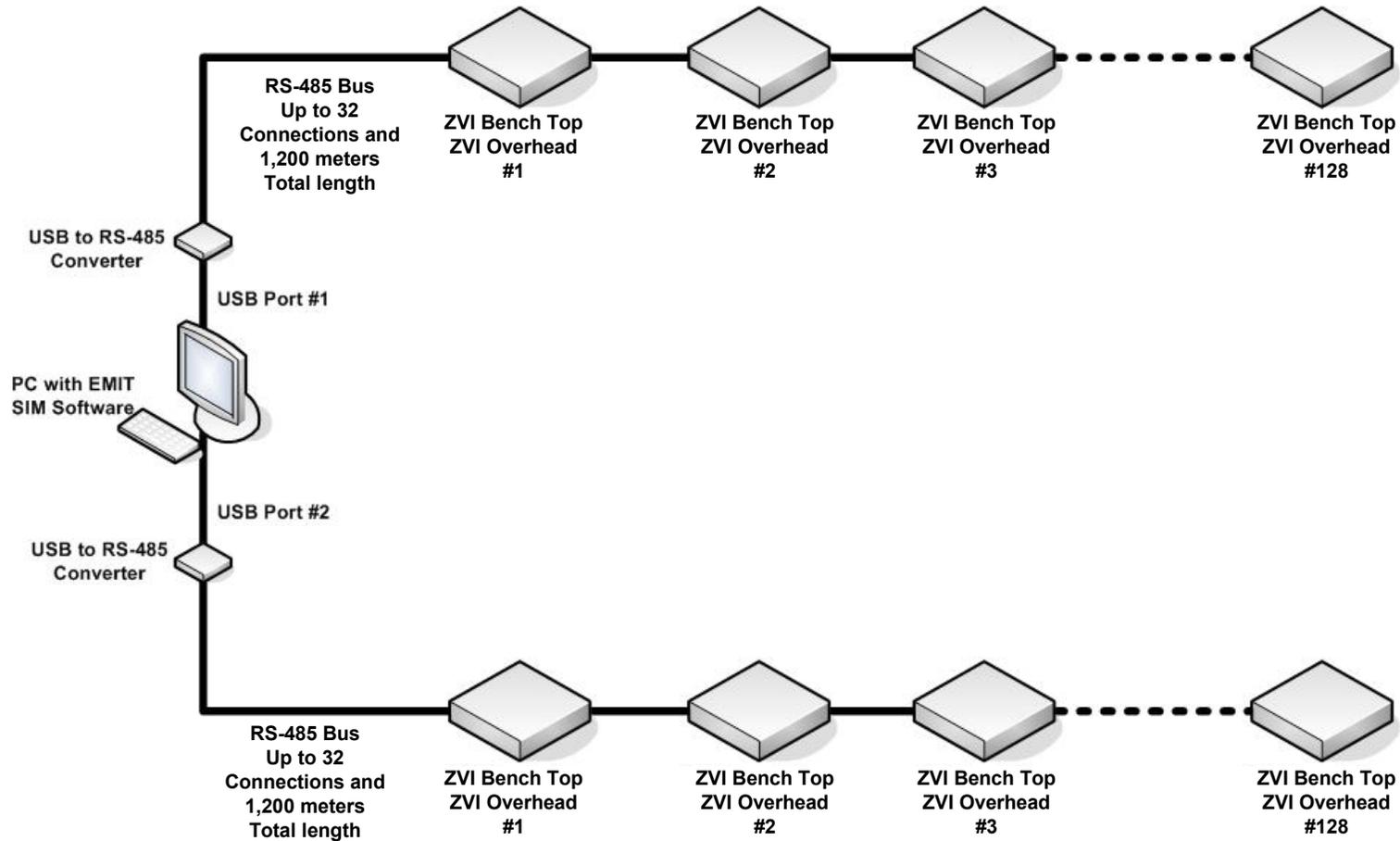
ZVM Solo 接地监测器组网图示



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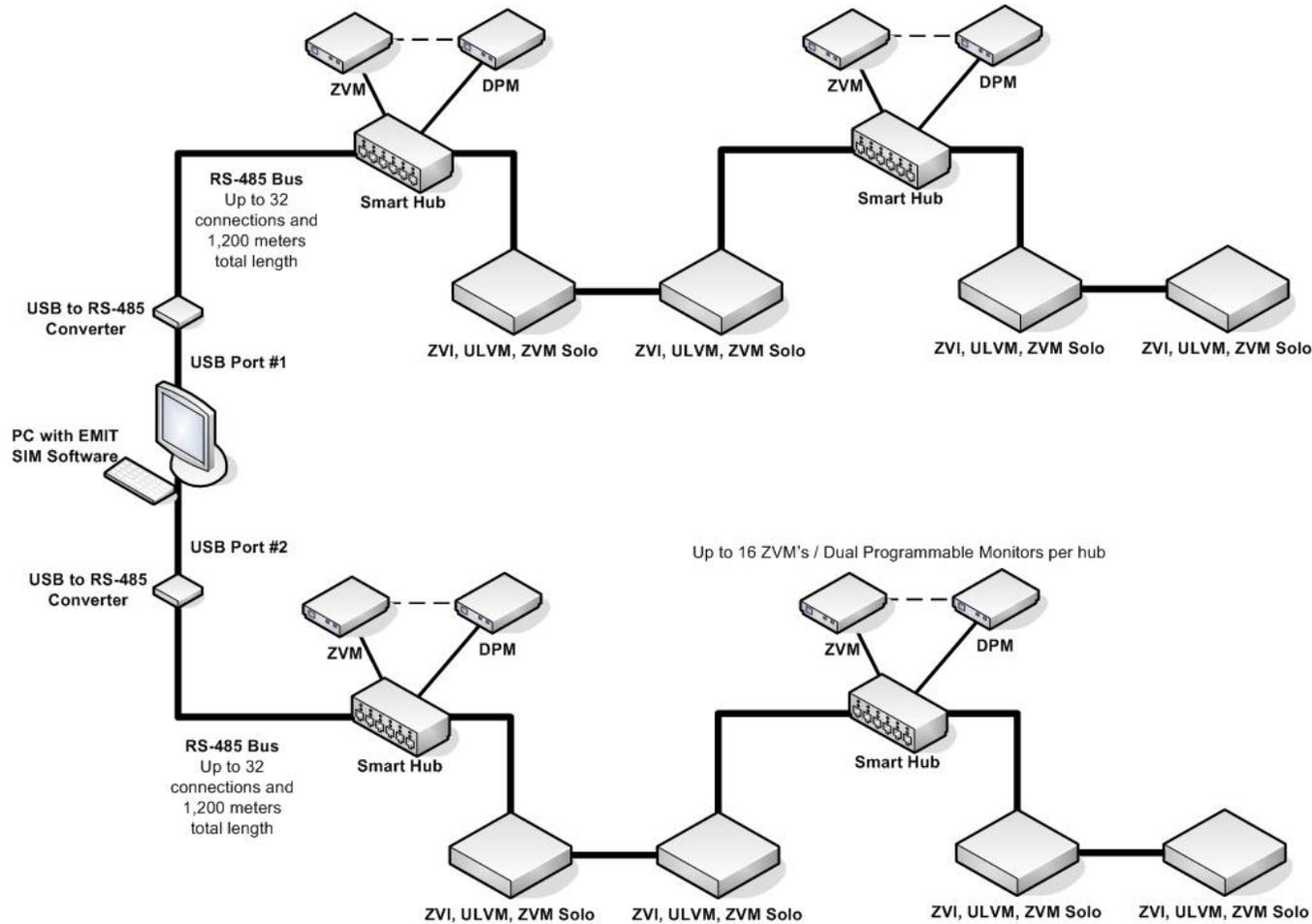
ZVI离子风机组网图示



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ZVI, ZVM, DPM, ZVM Solo, ULVM混合组网图示



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ZVI, ZVM, DPM, ZVM Solo, ULVM组网要求

- 整个系统只有ZVI离子风机单种类型设备, 各离子风机通过菊花链形式连接。每组最多128个ZVI设备, 每组最长距离1200米。
- 整个系统只有ZVM Solo接地监测器单种类型设备, 各接地监测器通过菊花链形式连接。每组最多128个ZVM Solo设备, 每组最长距离1200米。
- 整个系统只有ULVM接地监测器单种类型设备, 各接地监测器通过菊花链形式连接连接。每组最多128个ULVM设备, 每组最长距离1200米。
- ZVM或DPM接地监测器组网需采用Smart Hub。每组可通过菊花链形式连接32台Smart Hub, 每组最长距离1200米。每台Smart Hub可连接16个ZVM或DPM接地监测器。
- 所有类型设备混合组网, 每组可通过菊花链形式连接32个设备包括Smart Hub, 每组最长距离1200米。

注意! 标准SIM软件容量为50个设备, 可以按50的增幅扩充容量

注意! SIM软件为收费软件, 价格视具体组网数量分摊到单个设备



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