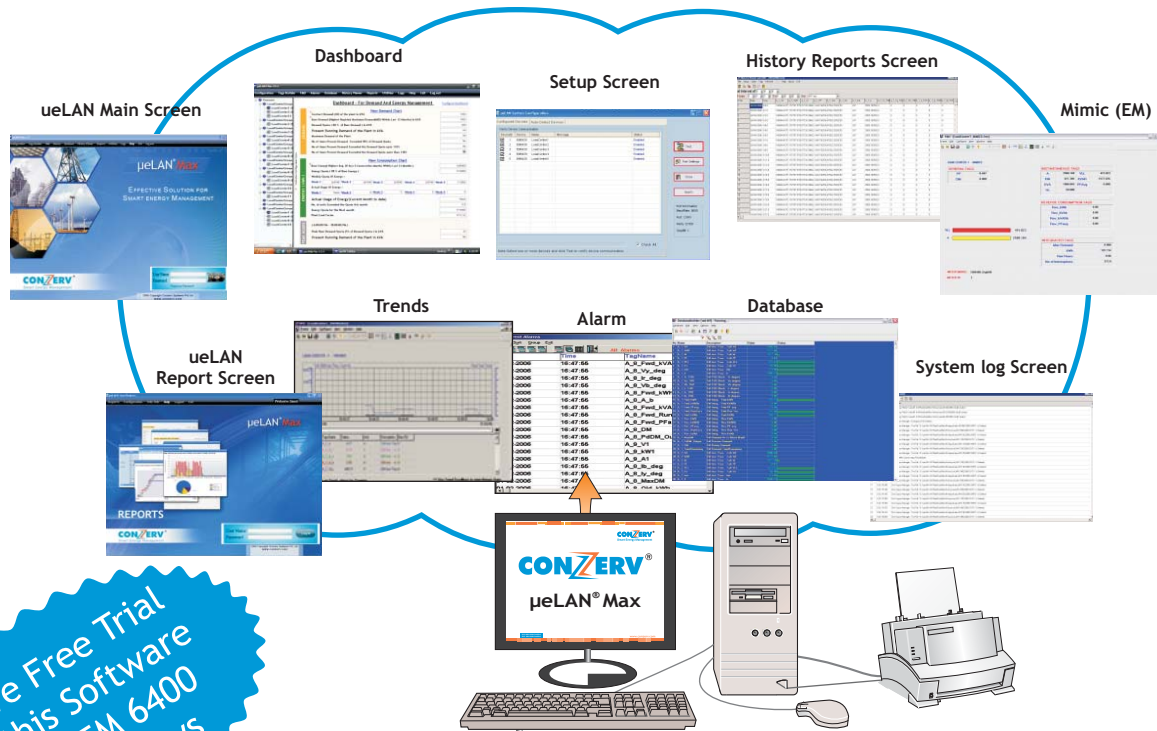


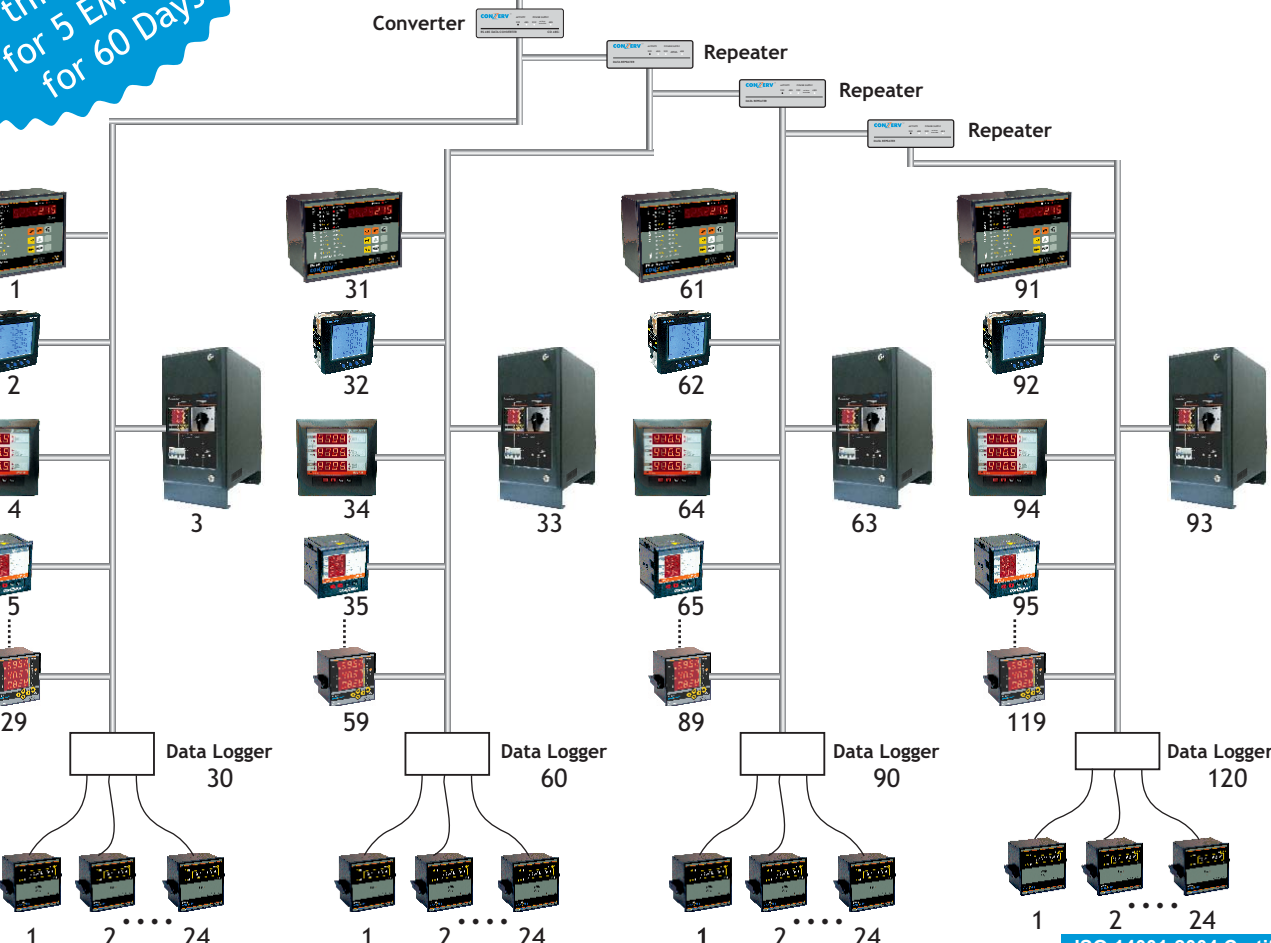
µeLAN® Max

µeLAN® Max an Innovative, Cost Effective Software to Monitor & Reduce your Electrical Energy Bills. A pre-packaged, plug & play system.

µeLAN® Max Energy Management Networks



Have Free Trial
of this Software
for 5 EM 6400
for 60 Days



Features

µLAN[®] Max is totally indigenous, State of the art SCADA Software Package that runs under Windows[®] operating system and supports standard features of electrical energy management system. µLAN[®] Max communicates with one hundred twenty devices (any combination of EM 3000, EM 6400, EM 6438, EM 6600, CVM96, CVM144, Data logger and coolite™). µLAN[®] Max supports online monitoring of various parameters, power quality analysis, generating history information and periodic report.

- Multi user login
- Tabular view provided in HMI
- Print and snapshot of HMI Screens
- History log view in tabular form giving tag names & time stamp for comparison of data
- Easy to install, plug and play
- Report based on Crystal Reports
- Reports like energy consumption, specific energy consumption, power interruption, demand, log reports, energy intensity, generator reports, energy balance reports & energy export reports, breaker status
- Trial Mode option for 60 days *
- Graphical visualization of energy consumption, specific Energy consumption and energy intensity
- Enable /Disable of nodes
- MS SQL Server Express 2005 Support
- Option to Store data in XML Format to generate customized reports
- Load center groups to group load centers
- ConPAD integration for remote meter programming
- Integration with Energy Billing System (eEBS™)
- Integration with coolite™ with timer scheduler (subjected to coolite™ having EM 6620 Meter)
- Product Registration
- Energy - Demand Dash boards

Benefits

- Helps to monitor and reduce specific energy consumption
- Reduces demand cost - Demand optimization
- Load Management
- History analyses for a set period - History log view
- Helps to measure energy export
- Helps to measure energy intensity in buildings
- Helps to save lighting energy consumption
- Helps in analysis of energy balance
- Helps power Harmonics analysis
- Helps in Lighting Energy Savings with coolite™

Reports

- Hourly Consumption Reports
- Daily shift wise Consumption Report
- Day to Day Consumption Report
- Daily shift wise Demand Report
- Daily shift wise Power Interruption Report
- Daily shift wise Log Report
- Data logger Report
- Day to Day Demand Report
- Day to Day Power Interruption Report
- Daily shift wise Energy Export Report
- Day to Day Energy Export Report
- Daily shift wise Energy Balance Reports
- Day to Day Energy Balance Reports
- Daily shift wise Breaker status Report
- Daily shift wise power quality /harmonics Report
- All Report can be Auto generated & e-mailed to specific email - Id's

* Trial mode option without hardware key for one EM 3000, Five EM 6400, one EM 6438, one EM 6600, one data logger and one coolite™ models are available for 60 days

µLAN[®] Max Software Specification

■ No. of meters or devices	: Any combination upto 120 (EM 3000, EM 6400, EM 6438 EM 6600, CVM96, CVM144, Data logger and coolite™)
■ No. of Parameters per EM 3000	: 21
■ No. of Parameters per EM 6400	: 22 for DigitAN™ & 17 for PowerMax
■ No. of Parameters per EM 6438	: 15
■ No. of Parameters per EM 6600	: 19
■ No. of Parameters per CVM96	: 87
■ No. of Parameters per CVM144	: 132
■ No. of Parameters per Data logger	: 24
■ No. of Parameters per coolite™	: 22
■ No. of Mimic Pages (Value Display)	: Based on the number of devices configured
■ No. of Trend Pages	: Based on the number of EM 3000, EM 6400, EM 6438, EM 6600, CVM96, CVM144 devices, Data logger and coolite™
■ No. of Matrix Pages	: 12
■ No. of pens per trend	: 8 Preset. Maximum is 20
■ Archiving	: Supported on Windows compatible internal or external HDD or MO Drive. (Requires drivers from drive supplier)
■ Duration of storage of historical data in HDD	: Storage until 90% of HDD is full, after which old data will be purged.
■ Alarms	: Arranged in 16 Groups. (Can be set by entering values of tag triggering limits)
■ Licensing	: Piracy protection through USB key

System Requirements

Hardware	Software
<ul style="list-style-type: none"> ■ PC : Intel Core 2 Duo or higher ■ RAM : Minimum 1GB RAM up to 60 nodes and 2 GB RAM for more than 60 nodes ■ Hard disk capacity : 1) Less than 30 nodes 80 GB Minimum 2) Greater than 30 nodes 200 GB Minimum Minimum 5GB required before installation ■ Monitor resolution : 1024 x 768 with minimum 256 colors or higher ■ Serial ports : COM1 to COM 4 ports, any one only ■ USB port : Required for USB licence installation ■ CDROM drive : 48X or above ■ Hard Disk portion : C & D Drive ■ Ethernet Port : One 	<ul style="list-style-type: none"> ■ Operating system : Windows® XP Professional with SP3/Windows® Vista with SP1 ■ Web Browser : IE 7 or any other browser ■ Office Suite : MS Office 2003 or higher.
	Devices (RTU)
	Conzerv Meters : 1 to 120 Devices / Remote Units (EM3000, EM6400, EM6438, EM6600, CVM96, CVM144, Data logger and coolLite™)
	Network Components
	<ul style="list-style-type: none"> * Option1 :Data converter, Data Repeater (Moxa)& Data cable Option2 :Ethernet Converter Option3 :OFC Converter Option4 :Wireless Devices & Ethernet Option5 :Data logger & Pulse input Option6 :GPRS/GSM based system

Ordering Information

a) Specify

Models	EM 3000	EM 6400	EM 6438	EM 6600	CVM 96	CVM 144	Data logger	coolLite™
Quantity	_____	_____	_____	_____	_____	_____	_____	_____

Note : Total can be maximum of 120 nos.

b) Customer Name :

* Repeaters (Moxa) are required to support more than 30 devices
or
supporting data cable lengths of more than 800 meters

Reports Formats

Power Interruptions Daily

Power Interruptions Reports Day to Day

Data Logger Reports Daily

Data Logger Reports Day to Day

Demand Reports Daily

Conzerv Systems Pvt. Ltd.

LoadCenter Wise Log Report

Report Start Date: 21/04/2008 Report End Date: 21/04/2008
 Report Start Time: 12:52:53 Report Time: 18:01:19

LoadCenterID	Current(A)	Voltage(VLL)	Power(KW)	Apparent Power (KVA)	Frequency(Hz)
Shift: 1 - Day					
21/04/2008 08:37	300.0	413.02	175.46	360.17	30.00
21/04/2008 08:47	300.0	413.02	175.46	360.17	30.00
21/04/2008 08:57	300.0	413.02	175.46	360.17	30.00
21/04/2008 09:07	300.0	413.02	175.46	360.17	30.00
21/04/2008 09:17	300.0	413.02	175.46	360.17	30.00
21/04/2008 09:27	300.0	413.02	175.46	360.17	30.00
21/04/2008 09:37	300.0	413.02	175.46	360.17	30.00
21/04/2008 09:47	300.0	413.02	175.46	360.17	30.00
21/04/2008 09:57	300.0	413.02	175.46	360.17	30.00
21/04/2008 10:07	300.0	413.02	175.46	360.17	30.00
21/04/2008 10:17	300.0	413.02	175.46	360.17	30.00
21/04/2008 10:27	300.0	413.02	175.46	360.17	30.00
21/04/2008 10:37	300.0	413.02	175.46	360.17	30.00
Max/Min	30000.00	413.02	350795.00	360.17	60.00
Std. Dev.	300.0	413.02	175.46	360.17	30.00
Average	2760.17	411.66	14733.34	157.08	30.11

Log Reports Daily

Conzerv Systems Pvt. Ltd.

LoadCenter Wise DayToDay Demand Report

Report Start Date: 21/4/2008 Report End Date: 21/4/2008 Report Print Date: 22/4/2008
 Report Start Time: 00:00:00:0000 Report End Time: 23:59:59:9999

Mode	Maximum Demand	Occurrence Date & Time
LoadCenter1	0	0
LoadCenter2	0	0

Demand Reports Day to Day

Conzerv Systems Pvt. Ltd.

LoadCenter Wise Daily Energy Consumption Report

Report Start Date: 21/04/2008 Report End Date: 21/04/2008
 Report Start Time: 00:00:00 Report Time: 17:43:08

LoadCenterID	KWh	KVAh	PF Avg	Wt. Avg. PF	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi
SL1E1	1.841	1.841	0.99	0.99	0.99	0.99	0.99	0.99
SL1E2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SL1E3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Peak Qty: 1.841 KWh @ 17:43:08
 Min Qty: 0.00 KWh @ 00:00:00
 Total Energy: 1.841 KWh
 Average Energy: 0.0765 KWh
 Specific Energy Cost: 0.00000000
 Area (Kwh): 4.00
 Energy Intensity (KWh/CuM): 0.00000000

Consumption Reports Daily

Conzerv Systems Pvt. Ltd.

LoadCenter Wise DayToDay Consumption Report

Report Start Date: 21/04/2008 Report End Date: 21/04/2008
 Report Start Time: 00:00:00 Report Time: 18:01:19

LoadCenter	Wt. Avg. PF	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi
LoadCenter1	1.841	1.841	0.99	0.99	0.99	0.99	0.99	0.99
LoadCenter2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SL1E1	1.841	1.841	0.99	0.99	0.99	0.99	0.99	0.99
SL1E2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SL1E3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy Cost	1.841	1.841	0.00	0.00	0.00	0.00	0.00	0.00
Total Energy Cost in INR	1.841	1.841	0.00	0.00	0.00	0.00	0.00	0.00

Consumption Reports Day to Day

Power Systems Pvt. Ltd.

LoadCenter Group Wise Daily Energy Balance Report

Report Start Date: 21/04/2008 Report End Date: 21/04/2008
 Report Start Time: 00:00:00 Report Time: 17:43:08

LoadCenter Group	Wt. Avg. PF	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi
LoadCenter1	1.841	1.841	0.99	0.99	0.99	0.99	0.99
LoadCenter2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SL1E1	1.841	1.841	0.99	0.99	0.99	0.99	0.99
SL1E2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SL1E3	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Energy Balance: 1.841 KWh % Energy Balance: 100.00 Energy Bal. Cost: 1.841 INR

Daily Energy Balance Graph

Energy Balance Report - Daily

Power Systems Pvt. Ltd.

LoadCenter Wise Hourly Energy Consumption Report

Report Start Date: 21/04/2008 Report End Date: 21/04/2008
 Report Start Time: 00:00:00 Report Time: 18:01:19

LoadCenterID	Wt. Avg. PF	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi	Wt. Avg. Cos Phi
00:00:00 AM TO 01:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01:00:00 AM TO 02:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02:00:00 AM TO 03:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03:00:00 AM TO 04:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04:00:00 AM TO 05:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05:00:00 AM TO 06:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06:00:00 AM TO 07:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07:00:00 AM TO 08:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00:00 AM TO 09:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09:00:00 AM TO 10:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10:00:00 AM TO 11:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11:00:00 AM TO 12:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12:00:00 PM TO 01:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01:00:00 PM TO 02:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02:00:00 PM TO 03:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03:00:00 PM TO 04:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04:00:00 PM TO 05:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05:00:00 PM TO 06:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06:00:00 PM TO 07:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07:00:00 PM TO 08:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00:00 PM TO 09:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09:00:00 PM TO 10:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10:00:00 PM TO 11:00:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11:00:00 PM TO 12:00:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Report Wt. Avg. PF	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Report Wt. Avg. Cos Phi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Report Wt. Avg. Cos Phi	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Energy Consumption Report - Hourly

Conzerv Systems Pvt. Ltd.

Breaker Status Report

Report Start Date: 09/04/2008 Report End Date: 09/04/2008
 Report Start Time: 00:00:00 Report Time: 18:01:19

LoadCenter Group Name	Shift	Change Over Time	Status
Shift1			
B11	Change Over Time	12:18:00 PM	Status
B12	Change Over Time	12:18:00 PM	Status
B13	Change Over Time	12:18:00 PM	Status
B14	Change Over Time	12:18:00 PM	Status
Shift2			
B15	Change Over Time	12:18:00 PM	Status

Breaker Status Report - Daily

Conzerv Systems Pvt. Ltd.

LoadCenter Wise Daily Report Energy Consumption Report

Report Start Date: 21/04/2008 Report End Date: 21/04/2008
 Report Start Time: 00:00:00 Report Time: 18:01:19

LoadCenterID	Import kWh	Export kWh	Report kWh	Export kWh	Total kWh	Std. kWh
SL1E1	0.00	0.00	0.00	0.00	0.00	0.00
SL1E2	3.471	0.00	3.471	0.00	3.471	3.471
SL1E3	0.00	0.00	0.00	0.00	0.00	0.00
Total Report Wt. Avg. PF	0.00	0.00	0.00	0.00	0.00	0.00
Total Report Wt. Avg. Cos Phi	0.00	0.00	0.00	0.00	0.00	0.00
Total Report Wt. Avg. Cos Phi	0.00	0.00	0.00	0.00	0.00	0.00

Energy Export Report - Daily

Conzerv Systems Pvt. Ltd.

LoadCenter Wise Power Quality Report

Report Date: 10/05/2008 Report Time: 08:00:00

LoadCenterID	THD_V1	THD_V2	THD_V3	THD_I1	THD_I2	THD_I3
Set at 2.00						
3/10/2008 3:30:00PM	2.00	3.20	2.00	1.00	3.10	3.40
3/10/2008 3:40:00PM	2.40	3.40	2.50	3.00	3.30	3.50
3/10/2008 3:50:00PM	2.00	3.20	2.30	3.00	3.40	3.40
3/10/2008 4:00:00PM	2.20	3.40	2.30	4.00	3.60	3.10
3/10/2008 4:10:00PM	2.40	3.20	2.40	4.00	3.80	3.10
3/10/2008 4:20:00PM	2.40	3.20	2.40	4.00	3.10	3.10
3/10/2008 4:30:00PM	2.00	3.20	2.30	4.00	3.10	3.40
3/10/2008 4:40:00PM	3.20	4.20	3.30	4.00	3.80	3.40
Maximum	4.20	5.20	4.20	5.00	4.20	4.20
Minimum	2.00	3.20	2.00	3.00	3.00	3.00
Average	2.40	4.00	2.40	3.70	4.00	3.40

Power Quality Report - Daily

Schneider Conzerv strives for continuous product innovation. Product specifications are therefore subject to change without notice.

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