

SOLE SOURCE:

- 11. Authorize Sole Source Procurement and authorize the issuance of Purchase Order(s) for Liebert Corporation c/o Innovative Support Systems, Inc., Altamonte Springs (\$30,136.00).**

Liebert Corporation c/o Innovative Support Systems, Inc. will provide the County with the purchase and installation of communications and networking cards as part as the Centralized Monitoring system for the 20 Liebert air handling units currently located in the communications/computer equipment rooms at the Criminal Justice Center. These units will allow the automated monitoring of the units, callouts and two-way connectivity of the County's HVAC technicians and support contractors. Liebert Corporation c/o Innovative Support Systems, Inc. is the manufacturer's representative in the Central Florida Region. This action will maintain the manufacturer's warranties and will permit for future software updates to the system.

Administrative Services and Fiscal Services/Purchasing and Contracts Division recommend that the Board approve the Sole Source Procurement and authorize the issuance of a Purchase Order(s).



Quotation #04336-LSM-NIC

Innovative Support Systems, Inc

401 South State Road 434
Altamonte Springs, FL 32714
Phone: 407-682-7570
Fax: 407-682-0024
e-mail: twelsh@issfl.com

TO: Seminole County Criminal Justice Center
Sanford, FL 32773
Attn: Andy Brooks
Phone: 407-665-5252
Fax: 407-665-5285

ATTN: FRANK
407-665-5501

PROJECT:

DATE: May 6, 2005

ENGINEER:

TERM of PAYMENT: Net 30 Day

We are pleased to quote the following equipment or services.

We are pleased to provide our quotation for the following Liebert OpenComms NIC:

One (1) NIC-K-SYS3: OpenComms NIC field retrofit kit designed to mount internal to the Deluxe System/3 Computer Room A/C unit, provides two way communication via SNMP, HTTP Web Interface.

Nineteen (19) NIC-K-ENCL1: Single OpenComms NIC interface card for each MiniMate 2 Ceiling Mount A/C units, housed in an enclosure for external mounting, provides two way communication via SNMP, HTTP Web Interface.

Installation: Work performed by System Tech Services, Inc. Includes install of (20) *NIC cards for (19) Liebert MiniMate II A/C units and (1) Liebert Deluxe System 3 A/C unit. Includes and install pre-fabricated network cables to network hub in same room.

Terms & Conditions:

- Quotation Valid for 30 days
- Terms are Net 30 Days, subject to manufacturer's approval.
- See attached Drawing for details.

- Please address Purchase Orders to:

Liebert Corporation c/o Innovative Support Systems, Inc.
401 South State Road 434
Altamonte Springs, FL 32714

TOTAL NET PRICE, FOB FACTORY, FREIGHT INCLUDED, LESS TAX **\$30,136.00**

Thank you for the opportunity to work with you on this project. If you have any questions please give us a call.

Regards,


Thomas R. Welsh
Innovative Support Systems, Inc.

TERMS & CONDITIONS OF SALE ARE THOSE WHICH ARE STANDARD WITH LIEBERT CORPORATION.
PRICES QUOTED ARE FIRM FOR 30 DAYS FROM DATE OF PROPOSAL, UNLESS OTHERWISE SPECIFIED.
PURCHASE ORDER SHALL BE ISSUED TO LIEBERT CORPORATION c/o INNOVATIVE SUPPORT SYSTEMS, Inc.

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Innovative Support Systems Inc.

Exclusive Representative for Liebert Corporation

401 South State Road 434
Altamonte Springs, FL 32714
Phone: 407-682-7570
Fax: 407-682-0024

Page 1 of 7
Date: May 24, 2005
From: Tom Welsh
e-mail: twelsh@issifl.com

Facsimile Transmission

TO: Seminole County Criminal Justice Center
Sanford, FL 32773
Attn: Andy Brooks
Phone: 407-665-5252
Fax: 407-665-5285 Fax: 407-422-7413



SUBJECT: Liebert OpenComm, NIC.

PROJECT: Centralized Monitoring

In response to our phone conversation, the Liebert OpenComm NIC field retrofit interface kit is as follows.

Included are (19) *[one for each MiniMate 2 A/C unit]* NIC-K-ENCL1 network interface card, plus (1) *[for the Deluxe System 3 A/C unit]* NIC-K-SYS3 network interface card designed to provide two way communications via SNMP, HTTP Web Interface. Installation includes installing the network interface card for each of the (20) Liebert A/C units, providing communication cable and 24 volts ac to each NIC card from the main panel inside the Liebert A/C unit.

Providing the network interface cable to the Seminole County network hub in the same room. Completing the actual hand shake will be a coordinated effort between the people responsible for the Seminole County network and Liebert National Tech Support Team. They are available 7x24 at 1-800-222-5877. They specialize in this final communications effort. Our office will be available for assistance.

I hope this answers all of your questions. If you have any questions, please give me a call.

Thank you

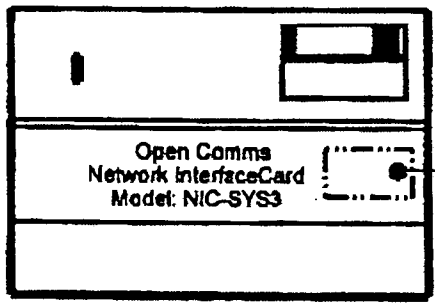


Thomas R. Welsh
Innovative Support Systems, Inc.

TRW/trw
enclosure

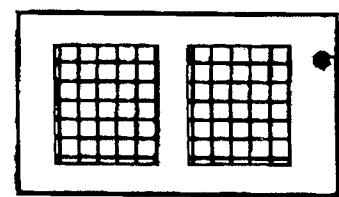
 **Liebert**
"Mission Critical Power & Cooling
Technologies"
Exclusively Represented By:
Innovative Support Systems, Inc.

 **EMERSON.**
Network Power



Liebert Deluxe System 3
Environmental Conditioning Unit

Network Interface Card Output Interface
 Network Port: SNMP, HTTP, 10baseT Ethernet
 BMS Port: ModBus 485 RTU protocol



Liebert Mini-Mate 2
Environmental Conditioning Unit

Network Interface Card Output Interface
 Network Port: SNMP, HTTP, 10baseT Ethernet
 BMS Port: ModBus 485 RTU protocol



Innovative Support Systems, Inc.		
Project: Liebert Environmental Conditioning Units		
Title: Single Line Diagram, Discrete Alarm Interface option		
Date: 12/03/2004	By: Tom Welsh	Drg #: 04336-LSM-NIC-1

OpenComms Availability

UNIT	FACTORY OPTION	RETROFIT KIT	Retrofit Kit Part #
ENVIRONMENTAL PRODUCTS			
DELUXE SYSTEM 3 AND ICS	✓	✓	NIC-K-SYS3
CHALLENGER	✓	✓	NIC-K-CHALL
MINIMATE II		✓ (1)	NIC-ENCL1 OR 2
LEVEL 00/05/10/15		✓	NIC
HIMOD	✓	✓	NIC
Emerson Network Power (CEMS100 / LECS15)	✓ (3)	✓ (3)	CONSULT SALES DEPT.
3-PHASE UPS			
NPOWER	✓	✓ (2)	37OP000NIC8
HIROSS 7200 (ITALY)	✓	✓ (2)	4645114G
HIROSS HIPULSE (ITALY)	✓	✓ (2)	4645114D
3-PHASE POWER			
PDU AND DATAWAVE W/ PMP OR EPMP		✓ (1, 2)	NIC-ENCL1 OR 2
STATIC SWITCH		✓ (1, 2)	NIC-ENCL1 OR 2
STATIC SWITCH 2	✓	✓ (2)	STSNIC

- (1) REQUIRES AN EXTERNAL ENCLOSURE ASSEMBLY.
- (2) CONTACT YOUR SALES / SERVICE REPRESENTATIVE OR LIEBERT GLOBAL SERVICES FOR INSTALLATION.
- (3) FOR AUSTRALIAN UNITS CONTACT THE INTERNATIONAL SALES DEPARTMENT @ YC.KOK@EMERSONNETWORK.COM.AU

Retrofit Kits are designed specifically for individual units. Consult your local sales / service representative for pricing, part numbers and installation help.

Specification

Electrical Requirements:

Voltage: 18VAC to 24VAC
50/60 Hz, Single Phase
12VDC to 36VDC
Power: 6VA maximum

Environmental Conditions:

Operating Ambient Temperature: 5°C to 40°C
41°F to 104°F
Storage Ambient Temperature: -20°C to 60°C
-4°F to 140°F
Relative Humidity: 10% to 90% RH
(Non-condensing)

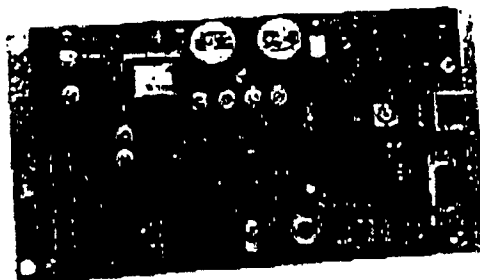
Dimensions:

Net:	178mm x 102mm x 38mm	0.2kg
	7.0" x 4.0" x 1.5"	0.4lbs
As shipped:	248mm x 178mm x 64mm	0.6kg
	9.75" x 7.0" x 2.5"	1.3lbs



OpenComms NIC Specification

OpenComms Network Interface Card (NIC)



DESCRIPTION		The OpenComms Network Interface Card provides Network and Modbus connectivity for your Emerson Network Power equipment. Operating status is monitored and alarms are communicated via the network, using SNMP and/or HTTP protocols and over RS-485 using Modbus protocol.	
DIMENSIONS:	Net:	178mm x 102mm x 38mm 7" x 4" x 1.5"	0.2kg 0.4lbs
	As Shipped:	229mm x 140mm x 64mm 9.0" x 5.5" x 2.5"	0.6kg 1.3lbs
POWER INPUT:	AC Input Voltage:	18VAC to 24VAC 50/60 Hz, single phase	
	DC Input Voltage:	12VDC to 36VDC	
	Power Consumption:	6VA maximum	
ENVIRONMENT:	Operating Ambient Temperature:	5°C to 40°C 41°F to 104°F	
	Storage Ambient Temperature:	-20°C to 60 °C -4°F to 140°F	
	Relative Humidity:	10% to 90% RH, non-condensing	
COMMUNICATIONS:	Unit Input Communications:	2-Position Terminal Block	
	UPS Unit Input (not all):	20-Pin Vertical Header with Ejection Latches	
	Modbus In / Out:	2-Position Terminal Block	
	Network In / Out:	10baseT Ethernet Network:RJ45 Jack SNMP v1, v2c with MIB-II support HTTP 1.1 Telnet BootP, DHCP per RFC2131/2132 DHCP, DTE	
	Service Terminal (RS232):		



OpenComms NIC Specification

PROTECTION: SELV Isolated User Connections
On-board Battery: minimum 100 hours of data and configuration retention
Watchdog Timer Circuitry
Manual Reset Pushbutton

COMPATIBILITY:

(All units are manufactured in North America unless otherwise noted)

Environmental Units with the following Microprocessors:

- Advanced Graphics (Deluxe Sys3, Challenger)
- Standard Microprocessor (Deluxe Sys3, Challenger)
- Level 00 (Deluxe Sys3, Challenger)
- Level 10 (Deluxe Sys3, Challenger)
- Level 05/15 (UK)
- Emerson Network Power – Australia (CEMS100 / LECS15)
- Advanced Micro (Deluxe Sys3, Challenger)
- MiniMate II
- HiMod

3-Phase UPS:

- Npower
- Hirose 7200 (Italy)
- Hirose HPulse (Italy)

3-Phase Power:

- PDU and DataWave with PMP or EPMP monitoring
- Static Switch
- Static Switch 2