

PRODUCT OVERVIEW

The easiest way to view DNP3 and Modbus data.

The most frustrating part of viewing or trouble-shooting a protocol map can be using the software to view the data.

REAL Protocol - Express takes the pain out of viewing DNP3 and Modbus data. REAL Protocol - Express was designed to be an easy to use application for electric utilities.

No more struggling with complex settings. Just a few clicks and the data starts flowing.

Group	Var	Index	Type	Value	Description
20	5	0	Counter: 32-bit	0	MWh del
20	5	1	Counter: 32-bit	0	MWh rec
20	5	2	Counter: 32-bit	0	MVAsh del
20	5	3	Counter: 32-bit	0	MVAsh rec
20	5	4	Counter: 32-bit	0	MVAh del
20	5	5	Counter: 32-bit	0	MVAh rec
30	4	0	Analog Input: 16-bit	1489	MU Vin a
30	4	1	Analog Input: 16-bit	1441	MU Vin b
30	4	2	Analog Input: 16-bit	1392	MU Vin c
30	4	3	Analog Input: 16-bit	1441	MU Vin avg
30	4	4	Analog Input: 16-bit	2548	MU Wll ab
30	4	5	Analog Input: 16-bit	2442	MU Wll bc
30	4	6	Analog Input: 16-bit	2501	MU Wll ca
30	4	7	Analog Input: 16-bit	2496	MU Wll avg
30	4	8	Analog Input: 16-bit	14	MU I a
30	4	9	Analog Input: 16-bit	10	MU I b
30	4	10	Analog Input: 16-bit	6	MU I c
30	4	11	Analog Input: 16-bit	10	MU I avg

Function	Index	Hex16	Hex32	Hex32 M1K	Description
03	30	1253	1253		
03	31	0	0	02116600	02116600
03	32	726	726		
03	33	0	0	47579136	47579136
03	34	3792	3792		
03	35	0	0	248512512	248512512
03	36	1059	1059		
03	37	0	0	69026360	69026360
03	38	716	716		
03	39	0	0	46923776	46923776
03	40	416	416		
03	41	0	0	27262976	27262976
03	42	2170	2170		
03	43	0	0	142213120	142213120
03	44	2089	2089		
03	45	0	0	136904704	136904704
03	46	1443	1443		

PRICE LIST (2017)

User Count	Unit Price
I - 10	\$450 per computer
II - 50	\$410 per computer

(License includes 1 year of software updates)

Power Sales & Service

REAL Protocol - Express

BENEFITS

- Designed specifically for electric utility use
- Low-cost protocol map viewer
- Simple interface (requires little to no training)
- Clearly see data in column and row format
- No external dongles required for copy protection
- OS Support: Windows XP to Windows 10

FEATURES

- Protocols:
 - DNP3
 - Modbus RTU
 - Modbus TCP
- Communications: RS-232 or Ethernet
- Add human-readable names to all data points
- Quickly filter large maps to focus on critical data
- View formatted or raw protocol data
- Import and export packets to replay data session
- Set protocol defaults using a simple XML file

Phone: 601-942-5165
 Fax: 601-510-9199
 E-mail: Powersalesms@aol.com

Power Sales & Service
 834 Highway 12 W
 Suite 193
 Starkville, MS 39759

REAL Protocol - Express

EXAMPLE DNP3 DATA

01 10 REAL Protocol - Express [DNP3] Licensed to: Mississippi Power Company

System Import/Export Help

Start TCP/IP IP Address 148.146.106.170 Master 100 Template ION Type All
 Clear RS-232 Settings Port 20000 Remote 1 Poll Rate 5 Start Index 0

Control Transport Address Options Filter

Protocol Raw Data Warnings & Errors

Group	Var	Index	Type	Value	Description
20	5	0	Counter: 32-bit	1	MWh del
20	5	1	Counter: 32-bit	0	MWh rec
20	5	2	Counter: 32-bit	1	MVARh del
20	5	3	Counter: 32-bit	0	MVARh rec
20	5	4	Counter: 32-bit	1	MVAh del
20	5	5	Counter: 32-bit	0	MVAh rec
30	4	0	Analog Input: 16-bit	1489	MU Vln a
30	4	1	Analog Input: 16-bit	1441	MU Vln b
30	4	2	Analog Input: 16-bit	1392	MU Vln c
30	4	3	Analog Input: 16-bit	1441	MU Vln avg
30	4	4	Analog Input: 16-bit	2544	MU Vll ab
30	4	5	Analog Input: 16-bit	2442	MU Vll bc
30	4	6	Analog Input: 16-bit	2501	MU Vll ca
30	4	7	Analog Input: 16-bit	2496	MU Vll avg
30	4	8	Analog Input: 16-bit	14	MU I a
30	4	9	Analog Input: 16-bit	10	MU I b
30	4	10	Analog Input: 16-bit	6	MU I c
30	4	11	Analog Input: 16-bit	10	MU I avg
30	4	12	Analog Input: 16-bit	0	MU Watt del
30	2	0	Analog Input: 16-bit with Flag	F:33 32767	
30	2	1	Analog Input: 16-bit with Flag	F:1 0	
30	2	2	Analog Input: 16-bit with Flag	F:1 2	
30	2	3	Analog Input: 16-bit with Flag	F:1 0	
30	2	4	Analog Input: 16-bit with Flag	F:1 2	
30	2	5	Analog Input: 16-bit with Flag	F:1 4	
30	2	6	Analog Input: 16-bit with Flag	F:1 0	
30	2	7	Analog Input: 16-bit with Flag	F:1 4	
30	2	8	Analog Input: 16-bit with Flag	F:1 0	
30	2	9	Analog Input: 16-bit with Flag	F:1 0	
30	2	10	Analog Input: 16-bit with Flag	F:1 0	

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