A New Standard set for
LOW COST SCADA RTU's

FEATURES:

Real World I/O
Digital I/O: To 120 V AC/DC - Isolated Inputs, Relay Contact outputs
Analog: 0-5V or 4-20ma Floating (+/-200VDC)

Internal RS 232, Leased Line, Radio, or Dial-in Modem

Multiple I/O Configurations
(Base I/O) SM305 - 4DI, 4DO, 1AI or SM315 - 1DI, 2DO, 4AI (Expansion Board Options) 4DI, 4DO or 8DI or 8DO

Standard MODBUS Protocol

LED Status Indicators

Compact, Rugged, Panel Mounted

Compatible with all Major Software

Complete line of Cost Effective PC Software
Real Time Monitor MMI, DDE I/O Server, NBT Programmer, Event Processor, Reports Control

Pictured (Left) is a SM300 and (Right) a SM300 with Internal Expansion Board.
See back page for more product specifications.

SM300
Family of RTU's

• • • more to come!

Have a specific I/O requirement - let us know.

NBT

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	Slave RTU's		Programmable Masters	
	SM305	SM315	SM805	SM805
Internal Analog & Digital I/O			W/ IOTN01	w/ IOTN02
Analog Inputs				
Base Quantity	1	4	1	4
Resolution	.5%	.5%	.2%	.2%
Input Range	5VDC/4-20ma.	5VDC/4-20ma.	5VDC/4-20ma.	5VDC/4-20ma.
Analog Outputs				
Base Quantity	--	--	1	--
Resolution	--	--	.2%	--
Input Range	--	--	5VDC/4-20ma	--
Digital Inputs				
Base Quantity	4	1	4	2
Input Range	to 120V AC/DC	to 120V AC/DC	to 120VAC/DC	to 120VAC/DC
(Optional) Internal Expansion	4	4	--	--
Digital Outputs (Relay Contact)				
Base Quantity	4	2	3	2
Output Range	to 120V AC/DC	to 120V AC/DC	Relay Driver	Relay Driver
(Optional) Internal Expansion	4	4	--	--
Internal Communication Ports				
Total ALL types	1	1	3	3
Leased Line or 1200 Baud Radio	1	1	1	1
RS232 Serial	1	1	2	2
2400 Dial / 9600 FAX	--	--	1	1
Modular Expansion I/O			Up To 15 Modules	Up To 15 Modules
Analog In	NA	NA	8	8
Analog Out	NA	NA	4	4
Digital In	Internal	Internal	8	8
Digital Out	Internal	Internal	8	8
Internal Memory and Logging				
Internal Registers	Cycles & Runtimes Min. & Max.	Cycles & Runtimes Min. & Max.	Cycles & Runtimes Min. & Max.	Cycles & Runtimes Min. & Max.
Events Logging (User Definable)	NA	NA	To 22,000 Events	To 22,000 Events
General Features				
Power Draw w/ Modem	85ma.	85ma.	150ma.	150ma.
Operating Temperature	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
Relative Humidity	0-95%	0-95%	0-95%	0-95%
Base I/O Case Dimensions	5.5in.(H) x1.5in. (W) x 3.5in.(D)	5.5in.(H) x1.5in. (W) x 3.5in.(D)	5.5in.(H) x2.5in. (W) x 3.5in.(D)	5.5in.(H) x2.5in. (W) x 3.5in.(D)

SM800 and SM300 Series Controllers... have been used in a variety of telemetry, SCADA, and process control applications. Their built-in features simplify system design, and replace multiple instruments at significant savings.

Municipal Water/Waste Water Systems

Whether you need limited or full functionality NBT has you covered. Used together the SM800 and SM300 instruments provide:

- Communications capabilities of RTU's,
- Control capabilities of PLC's,
- Recording capabilities of dataloggers,
- Alarming capabilities of dialer's,
- Direct reports/alarms to PC, FAX, pager's,
- Open architecture & low cost remote I/O.

Combined with our complete line of Software products, NBT is the "smart choice" for all your telemetry, process control, and SCADA systems.

NBT

MADE IN THE U.S.A.