

SCADA controllers and RTUs perform many of the same functions. The size of your operation and the I/O capacity required are critical points in determining the best product to fit your needs.

	Sentry RTUs	Pinnacle Controllers
<b>Base I/O</b>	up to 10	18 to 200+
<b>I/O Expansion</b>	up to 200	up to 8000
<b>Universal Analog Inputs</b>	up to 4	100s
<b>Internal modems &amp; radios</b>	option	option
<b>Battery backup</b>	option	option
<b>Network Communications</b>	Modbus, SDX, HTTP, TFTP	Modbus, SDX, Ethernet IP, DNP 3, HTTP, FTP, Telnet, E-mail
<b>Serial Communications</b>	Modbus, SDX, DF1, SMS	Modbus, SDX, DF1, DNP 3, SMS, NMEA (GPS)
<b>Communications Encryption</b>	Yes, AES-128	Yes, AES-128
<b>Historical Trending/Logging</b>	16 points, 32MB	unlimited, 512MB to 2 GB
<b>Alarming</b>	Text Msg	Text Msg, Voice, E-mail
<b>HMIs</b>	Text Msg, Text Web	Text Msg, Text and Graphical Web, Voice/Touchtone
<b>PID Control</b>	2 loops	unlimited
<b>Pump Control</b>	Single & Duplex	Single, Duplex, Triple, etc.
<b>Totalize, Rate, Runtime</b>	yes	yes
<b>Gas Flow</b>	no	Yes, AGA-3, AGA-7, AGA-8
<b>Programmable Logic</b>	no	Yes, including Ladder, Function Block Structured Text,
<b>Configuration</b>	Built-in web pages	Windows Program (ScadaWorks)
<b>Access Control</b>	16 Users	Unlimited
<b>Field Software Updates</b>	Yes	Yes