

Options	<a href="#">NRL 3016</a>	<a href="#">NRL 3008</a>	<a href="#">NRL 3004/3006</a>	<a href="#">NRL 3001M/3001G</a>	<a href="#">NRL 3004M/3006M</a>
Description	Industrial NRL 16 Analog Channels (Metal Enclosure)	Industrial NRL 8 Analog Channels (Metal Enclosure)	Industrial NRL 4 or 6 Analog Channels (Metal Enclosure)	NRL Single Analog Channel M-Series (Polycarbonate Enclosure)	NRL 4 or 6 Analog Channels M-Series (Polycarbonate Enclosure)
Modem	Optional: Cellular: 2G/3G/4G/LTE LoRa: AU915/US915/EU868/AS923 Satellite: Iridium Short Burst Data Inmarsat Hughes 9502	Optional: Cellular: 2G/3G/4G/LTE LoRa: AU915/US915/EU868/AS923 Satellite: Iridium Short Burst Data Inmarsat Hughes 9502	Optional: Cellular: 2G/3G/4G/LTE LoRa: AU915/US915/EU868/AS923 Satellite: Iridium Short Burst Data	Optional: Cellular: 2G/3G/4G/LTE LoRa: AU915/US915/EU868/AS923 Satellite: Iridium Short Burst Data ---- Microsatellite	Optional: Cellular: 2G/3G/4G/LTE LoRa: AU915/US915/EU868/AS923 Satellite: Iridium Short Burst Data ---- Microsatellite
Internal Power	No	No	No	Optional 2 x 3V6 Lithium D Cell	Optional 3V6 Lithium D Cell
External Power	9V - 30VDC	9V - 30VDC	9V - 30VDC	9V - 30VDC	9V - 30VDC
RTC Backup Battery	3V6 Li Coin Cell CR1620	3V6 Li Coin Cell CR1620	3V6 Li Coin Cell CR1620	3V6 Li Coin Cell CR1632	3V6 Li Coin Cell CR1632
Instrument Power	5V regulated 100mA fused 12V regulated 200mA fused	5V regulated 100mA fused 12V regulated 200mA fused	5V regulated 100mA fused	---- ---- 18V regulated, 80mA 15V regulated, 80mA User Selectable	5V regulated, 80mA or 12V regulated, 80mA or 18V regulated, 80mA User Selectable
Analog Channels	16 single-ended (max) or 8 differential (max) 24-bit resolution 4 user selectable gain ranges	8 single-ended (max) or 4 differential (max) 24-bit resolution 4 user selectable gain ranges	4 / 6 single-ended (max) or 2 / 3 differential (max) 24-bit resolution 4 user selectable gain ranges	1 single-ended, 0-2.5VDC 12-bit resolution	4 / 6 single-ended (max) or 2 / 3 differential (max) 24-bit resolution 4 user selectable gain ranges
Digital Inputs	4 Low <1.1V, High>2.05V Max 5V DC	No	No	No	No
Digital Output	2 Open Drain FETs 30V DC, 250mA max	1 Open Drain FET 30V DC, 250mA max	1 Open Drain FET 30V DC, 250mA max	No	1 Open Drain FET 30V DC, 250mA max
Counter Channels	4 2 x 16 bit, DC to 20kHz free contact or 0 to 5VDC digital input (C0,C2) 2 x 16 bit, DC to 300Hz free contact or 0 to 5VDC digital input (C1,C3)	4 2 x 16 bit, DC to 20kHz free contact or 0 to 5VDC digital input (C0,C2) 2 x 16 bit, DC to 300Hz free contact or 0 to 5VDC digital input (C1,C3)	3004: 4 2 x 16 bit, DC to 20kHz free contact or 0 to 5VDC digital input (C0,C2) 2 x 16 bit, DC to 300Hz free contact or 0 to 5VDC digital input (C1,C3) 3006: 2 1 x 16 bit, DC to 20kHz free contact or 0 to 5VDC digital input (C0) 1 x 16 bit, DC to 300Hz free contact or 0 to 5VDC digital input (C1)	1 1 x 16 bit, DC to 20kHz free contact or 0 to 5VDC digital input (C0)	3004M: 4 2 x 16 bit, DC to 20kHz free contact or 0 to 5VDC digital input (C0,C2) 2 x 16 bit, DC to 300Hz free contact or 0 to 5VDC digital input (C1,C3) 3006M: 2 1 x 16 bit, DC to 20kHz free contact or 0 to 5VDC digital input (C0) 1 x 16 bit, DC to 300Hz free contact or 0 to 5VDC digital input (C1)
USB Drive	USB A Port & USB B Port	USB A Port & USB B Port	USB A Port & USB B Port	USB B Micro Port	USB B Micro Port
Base Memory	7.5MB	7.5MB	7.5MB	7.5MB	7.5MB
Memory Expansion	Micro SD Card	Micro SD Card	Micro SD Card	Micro SD Card	Micro SD Card
Modbus	2 Independent Channels	2 Independent Channels	Single Channel	Single Channel	Single Channel
SDI-12	2 Independent Channels 1.3 Compliant	2 Independent Channels 1.3 Compliant	Single Channel 1.3 Compliant	Single Channel 1.3 Compliant	Single Channel 1.3 Compliant
HSIO	Yes	No	No	No	Yes
Ethernet	Yes 10/100 MBit	Yes 10/100 MBit	Optional: 0/100 Mbit	No	Optional: 0/100 Mbit
Configuration Port	RS-232 level, 115,200 Max baud rate USB A Port & USB B Port Micro SD Card Optional Bluetooth	USB A Port & USB B Port Micro SD Card Optional Bluetooth	USB A Port & USB B Port Micro SD Card	USB B Micro Port Micro SD Card	USB B Micro Port Micro SD Card
Display	320 x 240 Colour Resistive Touch Panel	320 x 240 Colour Resistive Touch Panel	320 x 240 Colour Resistive Touch Panel Note: This is optional	No	No
Keypad	5 button membrane keypad	5 button membrane keypad	5 button membrane keypad Note: This is optional	No	No
Accelerometer	Yes	Yes	Yes	No	Yes
Barometer	Yes	Yes	Yes	Yes	Yes

<a href="#">NRT 2016</a>	<a href="#">NRT 2018</a>	<a href="#">NRT 2022</a>
<b>NRT Cellular (Metal Enclosure)</b>	<b>NRT Inmarsat Satellite (Metal Enclosure)</b>	<b>NRT Inmarsat Satellite &amp; 3G/4G (Metal Enclosure)</b>
<b>Cellular: 3G/4G</b>		<b>Cellular: 3G/4G</b>
	<b>Satellite: Inmarsat Hughes 9502</b>	<b>Satellite: Inmarsat Hughes 9502</b>
<b>Optional 3V6 Lithium D Cell 6V - 24VDC</b>	<b>Optional 3 x 3V6 Lithium D Cell 6V - 24VDC</b>	<b>Optional 3 x 3V6 Lithium D Cell 6V - 24VDC</b>
<b>No</b>	<b>No</b>	<b>No</b>
<b>5V unregulated 5mA Max</b>	<b>5V unregulated 5mA Max</b>	<b>5V unregulated 5mA Max</b>
<b>4 single-ended unipolar</b>	<b>4 single-ended unipolar</b>	<b>4 single-ended unipolar</b>
<b>12-bit resolution</b>	<b>12-bit resolution</b>	<b>12-bit resolution</b>
<b>No</b>	<b>No</b>	<b>No</b>
<b>1 Open Collector</b>	<b>1 Open Collector</b>	<b>1 Open Collector</b>
<b>4</b>	<b>4</b>	<b>4</b>
<b>1 x 16 bit, 3kHz</b>	<b>1 x 16 bit, 3kHz</b>	<b>1 x 16 bit, 3kHz</b>
<b>3 x 8 bit, 300Hz</b>	<b>3 x 8 bit, 300Hz</b>	<b>3 x 8 bit, 300Hz</b>
<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>30KB</b>	<b>30KB</b>	<b>30KB</b>
<b>8MB</b>	<b>8MB</b>	<b>8MB</b>
<b>Single Channel</b>	<b>Single Channel</b>	<b>Single Channel</b>
<b>Single Channel 1.3 Compliant</b>	<b>Single Channel 1.3 Compliant</b>	<b>Single Channel 1.3 Compliant</b>
<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
<b>No</b>	<b>Yes 10/100 MBit</b>	<b>Yes 10/100 MBit</b>
<b>RS-232 level, 300-38,400 bps</b>	<b>RS-232 level, 300-38,400 bps</b>	<b>RS-232 level, 300-38,400 bps</b>
<b>No</b>	<b>No</b>	<b>No</b>
<b>No</b>	<b>No</b>	<b>No</b>
<b>No</b>	<b>No</b>	<b>No</b>
<b>No</b>	<b>No</b>	<b>No</b>