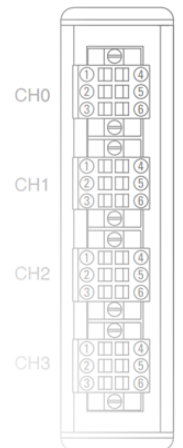




SINGRI SYSTEM

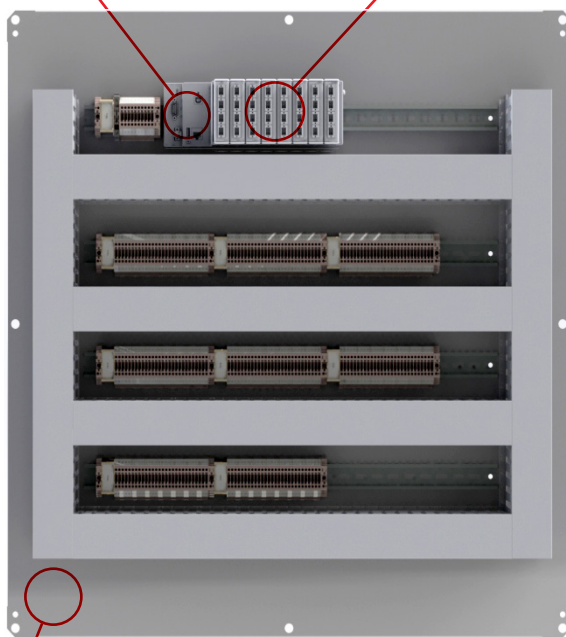
UNIVERSAL ANALOG
MEASUREMENT PANEL



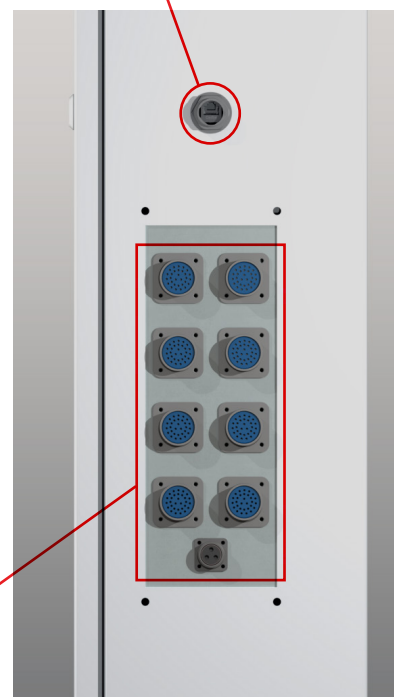
VALKYRIE CONTROLS

The Singri System is a National Instruments based universal measurement industrial panel capable of measuring 32 channels of Voltage, Current, -3 and 4-wire RTD, Resistance, Digital, and Open Contact inputs

8-slot Embedded Real-Time Controller; NI-9066
(x8) 4-Ch Universal Measurements, 100 S/s Module; NI-9219



CAT6A RJ45 connectivity



**36"x 360"x 8";
NEMA 4/12/13;
IP66 enclosure**

**(8x) 30-pin & (1x) 3-pin
circular connectors**



VALKYRIE CONTROLS

Technical Specifications

<u>Universal Inputs</u>	(x32) Universal Analog Input Channels*
<u>Input Ranges (Nominal)</u>	Voltage (± 60 V, ± 15 V, ± 4 V, ± 1 V, ± 125 mV) Current (± 25 mA) 4-Wire and 2-Wire Resistance (10 k Ω , 1 k Ω) 4-Wire and 3-Wire RTD (Pt 1000, Pt 100) Quarter-Bridge (350 Ω , 120 Ω) Half-Bridge (± 500 mV/V) Full-Bridge (± 62.5 mV/V, ± 7.8 mV/V) Digital In (On/Off) Open Contact (On/Off)
<u>Input Ranges (Actual)</u>	Voltage (± 60 V, ± 15 V, ± 4 V, ± 1 V, ± 125 mV) Current (± 25 mA) 4-Wire and 2-Wire Resistance (10.5 k Ω , 1.05 k Ω) 4-Wire and 3-Wire RTD (5.05 k Ω , 505 Ω) Quarter-Bridge (350 Ω , 120 Ω) Half-Bridge (± 500 mV/V) Full-Bridge (± 62.5 mV/V, ± 7.8125 mV/V) Digital In (0 V to 60 V) Open Contact (1.05 k Ω)
<u>Ethernet Connectivity</u>	(x1) RJ45 CAT6a GbE
<u>Power Input</u>	18-30VDC 24VDC Nominal
<u>Power Consumption</u>	17-25W (min to max)
<u>cRIO Configuration</u>	(x1) 8-Slot Embedded Real-Time Controller with Reconfigurable FPGA; NI-9066* (x8) 4-Ch Universal Measurements, 100 S/s Simultaneous Module; NI-9219*
<u>Operating Temperature</u>	-4 to 131 °F (-20 to 55 °C)
<u>Storage Temperature</u>	-40 to 185 °F (-40 to 85 °C)
<u>Physical Dimensions</u>	36" x 36" x 8"
<u>I/O Interface</u>	Amphenol Industrial Circular Connectors; (x8) MS3470L18-30SX (x1) 97-3102A-10SL-3P + Dust Cover (x1) 97-3106A-10SL-3S (Included)



Warranty and Support

Each system comes with a 1-year replacement warranty that covers any defective hardware as specified by the original OEM. All control panels undergo an extensive quality control & assurance process. All panels are UL508A certified (Standard). CSA General purpose certification is available upon request.

Our Engineers are available to answer any technical or troubleshooting questions regarding products, installation and future design updates. You can learn more about our other pre-engineered systems or request a free industrial panel design at www.valkyriecontrols.com.

Email: info@valkyriecontrols.com

LinkedIn: www.linkedin.com/in/valkyrie-controls

Valkyrie is committed to designing and manufacturing products in an environmentally responsible manner. Valkyrie recognizes that eliminating certain hazardous substances from our products is beneficial to the environment and to Valkyrie customers. Valkyrie Systems Inc. makes no express or implied warranties as to the accuracy of the OEM information contained herein and shall not be liable for any errors. U.S. Government Customers: The data contained in this manual was developed at private expense and is subject to the applicable limited rights and restricted data rights as set forth in FAR 52.227-14, DFAR 252.227-7014, and DFAR 252.227-7015.



VALKYRIE CONTROLS