V-Max 4000

Modules & Accessories

4080 Power Module

- Main module for V-MAX 4000 - Powers all other modules
- Ethernet connection to user's PC or embedded 4055 CPU module
- RS-232 input can be used for LINK Telemetry Temperature Systems or LINK GPS speed, distance, coordinate tracking sensors
- CAN input used to interface with vehicle OBDII or other CANBUS types
- Features 12V DC Output for powering additional equipment

4086 Power Distribution

- 5 Switched outputs
- 2 Un-switched outputs
- Up to 20 amps of fuse-protected current is available to power 12V DC devices such as laptops, heads up display, GPS sensor, etc.

4010 Analog Input

- 8 analog inputs for sensors such as load cells, pressure transducers, displacement sensors
- Provides 3.3 V to 10 V excitation to sensors at up to 100 mA
- Selectable signal gains from 1 to 8000
- Short circuit protected
- 16 bit resolution

4011 Differential Input

- 8 BNC connector inputs
- Used for collecting differential input voltage (traditionally on externally powered sensors with high level output)
- -10 V DC to +10 V DC
- 16 bit resolution

4015 Analog Output

- 8 isolated analog output channels
- Software selectable for voltage output signals ranging from ± 10V at up to 10 mA or current output signals of 0 mA to 20 mA or 4mA to 20mA
- Output frequency up to 500 Hz

4020 Temperature

- 15 galvanically isolated thermocouple inputs (for types J, K or T)
- Isolated channel to channel
- Range Type J
    - -46 °C to 760 °C
    - (-50 °F to 1400 °F)
- Range Type K
    - -46 °C to 1371 °C
    - (-50 °F to 2500 °F)
- Range Type T
    - -46 °C to 400 °C
    - (-50 °F to 750 °F)

4055 CPU

- Fully functional PC packaged to install in your custom V-MAX application
- Intel® Core™ 6600 U series i7 2.6 GHz dual-core
- 256 GB SSD
- HDMI & VGA Display Ports
- 2 USB 2.0 / 2 USB 3.0
- 2 Ethernet ports 10/100/1000 Mbps
- Wi-Fi up to 300 Mbps data rate
- Built in 10 Hz GPS for capturing speed, distance and coordinate tracking
- Wireless keyboard/mouse included
- 10'' USB powered bright, high-contrast, IPS LCD display with capacitive touchscreen interface.
- Power and control require a single USB connection. 1280 x 800 resolution
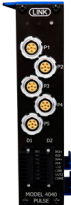
LINK

V-Max Modules

4030 NVH Module

- 6 NVH channels with 24 bit resolution (108 dB dynamic range)
- Works with ICP or non-ICP type transducers such as microphone and accelerometers
- Frequency Range 1 Hz to 20 kHz
- 51,200 Hz sample rate per channel

4040 Pulse Input Module

- 5 independent quadrature channels with index
- Typical uses are pulse type GPS speed/distance signals, wheel speeds tachometers, encoders
- 12V and 5V DC power supply on each channel to power external sensors
- 4 digital inputs for monitoring signals for on/off state

4060 CAN FD Input Module

- 4 isolated CAN input channels
- Supports OBDII, SAE J1939, FD (Flexible Data-Rate)
- Collect up to 247 unique signals with standard software (up to 1,000 depending on number of physical sensors installed)
- 0 to 64 byte length in data field

4070 Digital I/O Module

- 12 digital inputs - 3 Vdc to 48 Vdc - 0 Hz to 2.5 kHz
- 12 digital outputs - 3 Vdc to 48 Vdc sourcing - 0 Hz to 150 Hz
- Includes a 50 pin ribbon cable connector for an optional 24 I/O point remote expansion board

4090 PoE Ethernet

- 8 port, unmanaged, Gigabit Ethernet switch with 10/100/1000-T P.S.E. (power sourcing equipment).
- Ideal solution for operating multiple Ethernet devices such as IP-Cameras
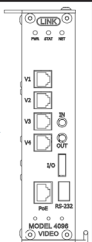- Requires V-MAX power module 4560-CAS-X5 or later

4095 Video Input Module

- Network video system capable of 30 fps @ 1080p Resolution, 60 fps @ 720p Resolution
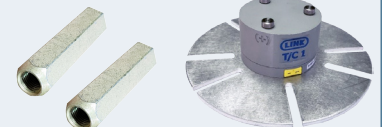
4096 Video Input Module

- Network video system capable of using 4 video sensors 15 fps @ 1080p Resolution, 30 fps @ 720p Resolution

4067-DTEL Telemetry System

- Ideal for measuring rotating temperatures without the hassle of bulky wiring
- **Telemetry system consists of:**
- Transmitters
- 1 receiver (options for V-MAX integrated module, RS-232, USB, TC/analog outputs)
- Mounting plates
- Custom Lugnut standoffs for mounting plates
- Transmit temperature, speed, position at up to 200 Hz for wheel slip / wheel lock detection (depending on specific requirements)