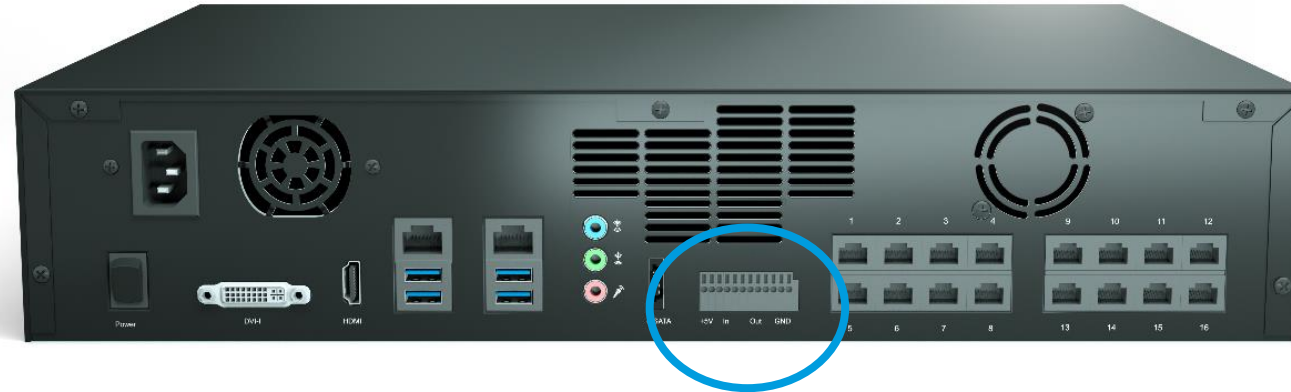


Milestone Husky M20

Digital IO Connection Guide

Purpose



Milestone Husky M20 has 4 digital inputs (5VDC) and 4 digital outputs (5VDC) on the backside. This document is intended to provide guidelines on how to connect them.

The relevant VMS plugins are already installed in the system so that these IOs are accessible inside the VMS software.

Users can read/write these signals easily inside the VMS software by defining rules.

Intended Audience

- (1) Engineers/Technicians willing to install M20 Digital IO feature.
- (2) Sales personnel willing to communicate the M20 Digital IO capabilities/limitations.
- (3) Support engineers willing to provide support to users.

Safety Precautions

- (1) Make sure the system is grounded properly. Also, make sure the other devices which are sending/receiving the IO signals are on the same ground potential level as M20.
- (2) Make sure the system is switched off and power is disconnected before attempting to connect the IO wiring.
- (3) Avoid any kind of short-circuit as this will seriously damage the device.
- (4) Follow the standard precautions regarding Electrostatic Discharge (ESD).
- (5) Check the compatibility of the input/output devices intended to be used with Milestone Husky M20.

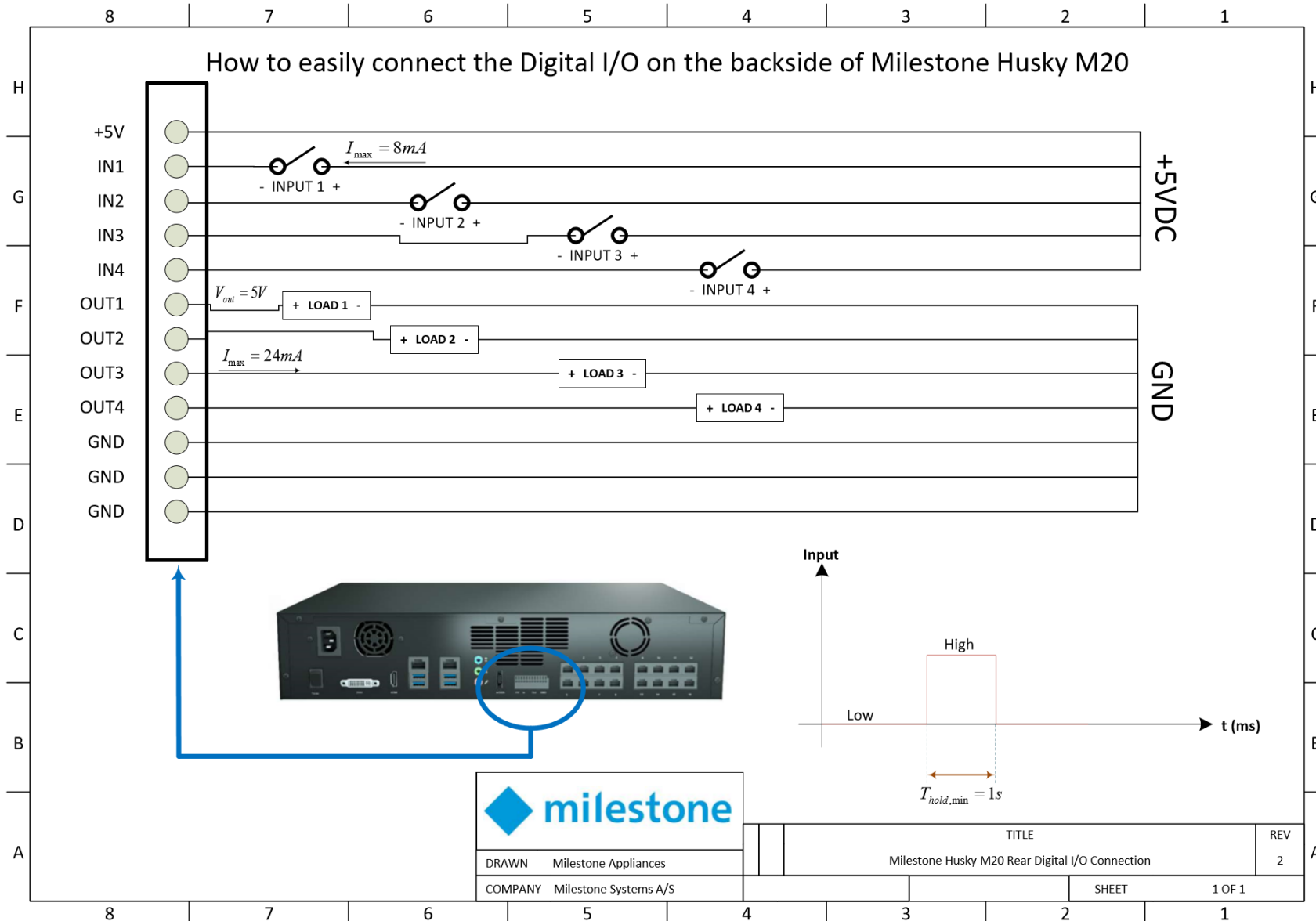
Input Devices

- (1) Input devices can be micro-switches, relays or similar devices having connect/disconnect functionality.
- (2) Milestone Husky M20 will apply 5VDC to the input device in order to test whether the circuit is closed. The Input Device should be able to withstand this voltage. Additionally, in case the circuit is closed, a small current of 8mA will flow through the input device. The input device should withstand this current. Check this with the datasheet of your desired input device.

Output Devices

- (1) Output voltage to the output devices is 5VDC.
- (2) Maximum current that the system can supply is 24mA. Check this with the datasheet of your desired output device.
- (3) Do not connect loads requiring higher current as the system is not able to supply more current as this will damage the system.
- (4) Avoid any short-circuit in connecting the output devices.

Diagram



FOR MORE INFORMATION

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