



# Specification Info

## Networking / Connectivity Specifications

- One CAT 5e/6 ethernet port is needed to operate the system
- Speed: 100 Mbps (minimum) / 25Mbps (recommended)
- Instrument PC is only used for controlling the robotics — it does not store or process any data
- MikroTik Router is required for internal IP communications (included)
- Sequencing data is sent securely to Clear Dx cloud services — all traffic is outgoing only

## General Specifications

- Dimensions: 65" x 31.3" x 66.8" (166.4 cm x 79.5 cm x 169.7 cm) as shown here. If placed on an existing counter, the unit is 36" (90.3 cm) tall.
- 12" (30.5 cm) clearance is needed on all sides of the system
- As shown, the system weighs 660 lbs (299.4 kg)
- A dedicated 110V, 20-amp circuit is needed with two outlets available
- The delivery pathway must have no point narrower than 32"
- Environmental Conditions: 15°C - 35°C with relative humidity 30% - 80% with no condensation

## Instrument Components

- Robot: Hamilton Star
- Sequencer: ONT GridION
- Robotic Controller: Windows 10 PC
- Robotic Controller Software: Venus
- Router: Mikro Tik RouterBoard RB2011 UiAS-IN

