

SENSE · PERCEPTOR

S-01

Camera

Sees shapes and colors in front of the bot.

Install in the Sense slot. One per category.

Hi, Bot

SENSE · PERCEPTOR

S-02

Microphone

Hears voices, claps, and other sounds.

Install in the Sense slot. One per category.

Hi, Bot

SENSE · PERCEPTOR

S-03

Ultrasonic ranger

Measures how far away a wall or person is.

Install in the Sense slot. One per category.

Hi, Bot

SENSE · PERCEPTOR

S-04

Touch bumper

Feels it when the bot bumps something.

Install in the Sense slot. One per category.

Hi, Bot

SENSE · PERCEPTOR

S-05

Light sensor

Notices bright rooms and dark rooms.

Install in the Sense slot. One per category.

Hi, Bot

SENSE · PERCEPTOR

S-06

Thermometer

Feels hot and cold so the bot can react.

Install in the Sense slot. One per category.

Hi, Bot

SENSE · PERCEPTOR

S-07

Tilt sensor

Knows if the bot is tipping or upside down.

Install in the Sense slot. One per category.

Hi, Bot

SENSE · PERCEPTOR

S-08

Color sensor

Tells red from blue from green.

Install in the Sense slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-01

Microcontroller

The tiny computer that runs the Sense-Think-Act loop.

Install in the Think slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-02

Timer chip

Counts seconds so the bot knows when to wait.

Install in the Think slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-03

Memory card

Remembers the last thing the bot noticed.

Install in the Think slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-04

If/Then board

Chooses: if this happens, then do that.

Install in the Think slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-05

Signal filter

Ignores noise and keeps the useful reading.

Install in the Think slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-06

Map module

Keeps track of where the bot is.

Install in the Think slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-07

Priority picker

Decides which job matters first.

Install in the Think slot. One per category.

Hi, Bot

THINK · PROCESSOR

T-08

Safety lock

Stops the bot if something is unsafe.

Install in the Think slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-01

Drive wheels

Moves the bot across the floor.

Install in the Act slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-02

Gripper

Picks things up and puts them down.

Install in the Act slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-03

Speaker

Beeps, talks, or plays a cue.

Install in the Act slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-04

LED array

Lights up to show a status.

Install in the Act slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-05

Servo arm

Reaches, points, or waves.

Install in the Act slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-06

Pump

Pushes water or air where it needs to go.

Install in the Act slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-07

Fan

Blows air to cool something or move it.

Install in the Act slot. One per category.

Hi, Bot

ACT · ACTUATOR

A-08

Display

Shows a number, a word, or a face.

Install in the Act slot. One per category.

Hi, Bot

POWER · ENERGY

P-01

Battery pack

Stored energy the bot can carry.

Install in the Power slot. One per category.

Hi, Bot

POWER · ENERGY

P-02

USB power

Plugs into a wall or a laptop.

Install in the Power slot. One per category.

Hi, Bot

POWER · ENERGY

P-03

Solar panel

Makes energy from light.

Install in the Power slot. One per category.

Hi, Bot

POWER · ENERGY

P-04

Power switch

Lets a human turn the bot all the way off.

Install in the Power slot. One per category.

Hi, Bot

POWER · ENERGY

P-05

Voltage regulator

Keeps the power steady so parts don't fry.

Install in the Power slot. One per category.

Hi, Bot

POWER · ENERGY

P-06

Capacitor bank

A short burst when the bot needs extra.

Install in the Power slot. One per category.

Hi, Bot

POWER · ENERGY

P-07

Charging dock

A home base the bot returns to and refills.

Install in the Power slot. One per category.

Hi, Bot

POWER · ENERGY

P-08

Fuse

Breaks the circuit if the power is too much.

Install in the Power slot. One per category.

Hi, Bot