

Getting Started with CACTUS on Raspberry Pi

CACTUS PI

WHY PI?

- Many mission staff want multiple monitors for mission mgmt.
- Most don't want to acquire multiple PCs or Macs for mission mgmt.
- Multiple models of Raspberry PI are viable for mission mgmt.
- Raspberry PI 400 is a convenient, cost-effective package for mission mgmt.
- Raspberry PI 400 is readily available from several on-line vendors in USA & Canada.

Raspberry Pi is a small, cheap, computer



Raspberry Pi 400 is a small, inexpensive, low powered computer embedded in a keyboard that can run CACTUS and tools for CAP Missions. The Raspberry Pi 400 costs about \$100 and can connect to 2 HDMI monitors.

[Product Brief:](#)

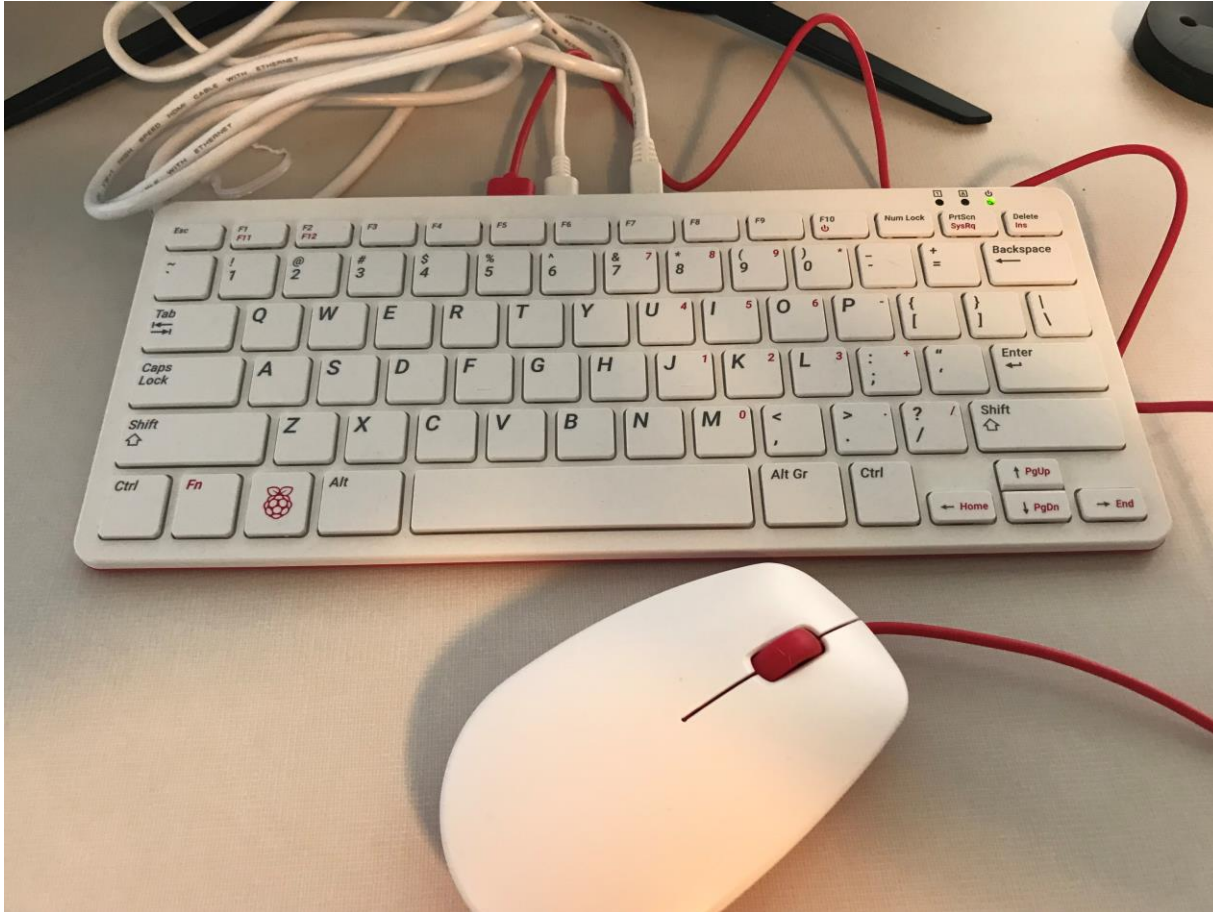
[Tech Specs:](#)

[Buy at Pishop.us:](#)

[Buy at CanaKit](#)

[Buy at Adafruit.com](#)

Raspberry Pi 400



Raspberry Pi 400 is a Raspberry Pi 4 embedded in a keyboard. The kit includes a mouse, cables to connect to an HDMI monitor and an SD card with the operating system installed.

5 minute setup:

- 1) Connect the wires.
- 2) Turn on the power.
- 3) Connect to Internet via cable or configure wifi.

NO LINUX KNOWLEDGE REQUIRED TO USE CACTUS!

CACTUS & CAP Tracker on PI 400

CACTUS - Wing Dashboard

Aircraft / Ground Team Tracking
Return to the Main Menu
AZ WING MISSION DASHBOARD
Last Refreshed: 16:25 ZULU
CURRENT TIME: 16:25:57 ZULU

ICS233 - ACTIVE TASKS

COMMAND	Task #	Priority	Description	Sorties	Tasking Agency	Agency Supplied Tracking No	Agency Supported	Task Type	Location
Redrock Command (virtual) 24-T-3416	002	ROUTINE	Relocation & Transportation Flights	5	CAP AZ WG OPERATIONS		CAP AZ WG OPERATIONS	TRANSPORTATION	Various

TASK 002 DESCRIPTION: Relocation & Transportation Flights

ACTIVE COMMAND POSTS

COMMAND	WING	MISSION	CONTACT	POSITION	CELL PHONE	TEXT
Redrock Command (virtual) 24-T-3416	AZ	SAR ES Training (October thru December 2023) TRAINING	Joel Ricker	IC3	Click to Call: (602)478-2378	Send TEXT

OPEN MISSIONS

Mission	Type	Description	POC	Remaining Budget
24-T-3416 A5	TRAINING	SAR ES Training (October thru December 2023)	Mike Ricker; 602-478-2378; mike.ricker@azwng.org	\$2,013.75
24-T-3721 A5	TRAINING	Barrel Cactus XIII (October thru November 2023)	Capt John Bryant	\$1,800.00
REQ24-1833 A18	OTHER	Support for WADS ORI/assessment of 162d FW Det 2	McFarland, J	\$0.00

This Wing Dashboard is the Wing Commander's snapshot view into all the active missions SITREP. This page may be empty, if nothing is in progress and there are no urgent issues to address. This page may show upto 9 optional rowsets including:

- ICS204 - Overdue Sorties

<https://missions.azwng.org> @ #overdue sortie missions

AZ Wing CAP Asset Tracker

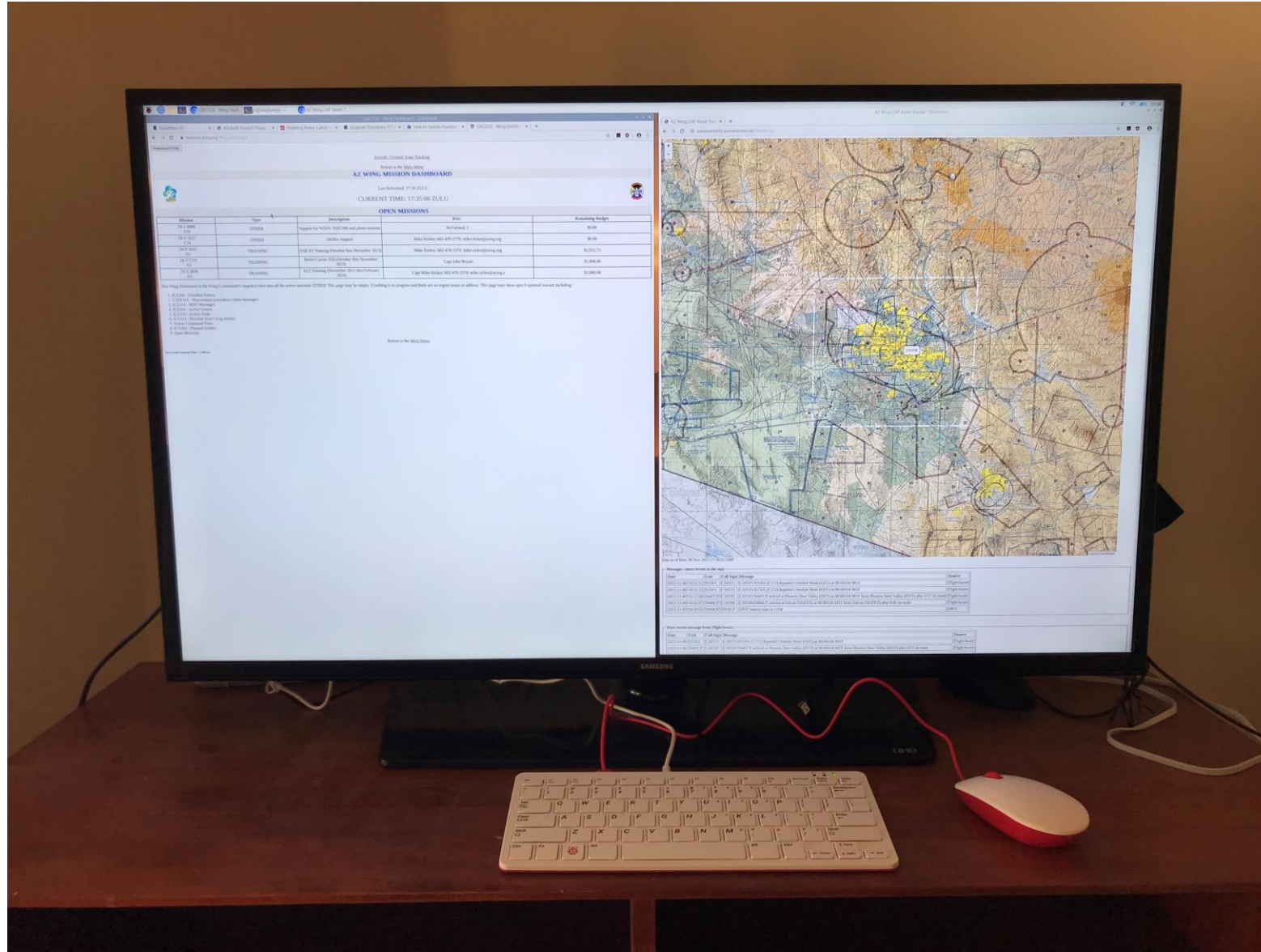
Map showing asset locations: SPAD30, N965CA.

Data as of Mon, 23 Oct 2023 16:25:15 GMT

Messages: (most recent at the top)

Date	Unit	Call Sign	Message	Source
2023-10-23T15:46:09	N447CP	CAP247	CAP247/N447CP arrived at Phoenix Deer Valley (DVT) at 08:34AM MST from Phoenix Deer Valley (DVT) after 0:56 en route	FlightAware
2023-10-23T15:46:09	N447CP	CAP247	CAP247/N447CP arrived at Phoenix Deer Valley (DVT) at 08:34AM MST from Phoenix Deer Valley (DVT) after 0:56 en route	FlightAware

CACTUS & CAP Tracker on PI 400



Mission Management Software on PI

- [WMIRS](#)
- [CACTUS](#)
- [CAPTracker](#)
- [BeaconHunter](#)
- FlightAware.com
- FlightRdr24.com
- ADSBExchange.com
- NOAA Weather
- Skyvector.com
- Google Earth Pro
- [eWing](#)

Links

- Product Info:
- <https://www.raspberrypi.com/products/raspberry-pi-400/>
- <https://datasheets.raspberrypi.com/rpi400/raspberry-pi-400-product-brief.pdf>

- Where to buy:
- <https://www.pishop.us/product/raspberry-pi-400-complete-kit/>
- <https://www.adafruit.com/product/4796>
- <https://www.canakit.com/raspberry-pi-400-desktop-computer-kit.html>