

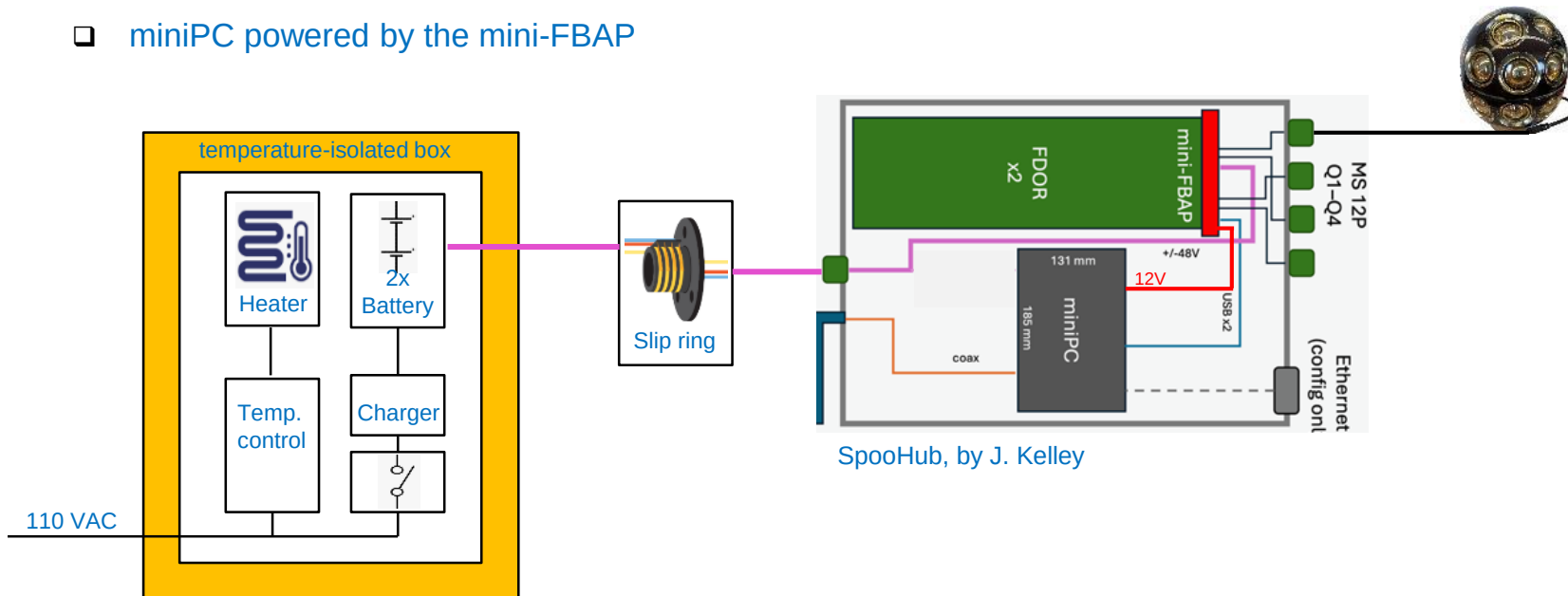


In Water Operations in the 2025 / 26 Season,

SpoolHub Cabling

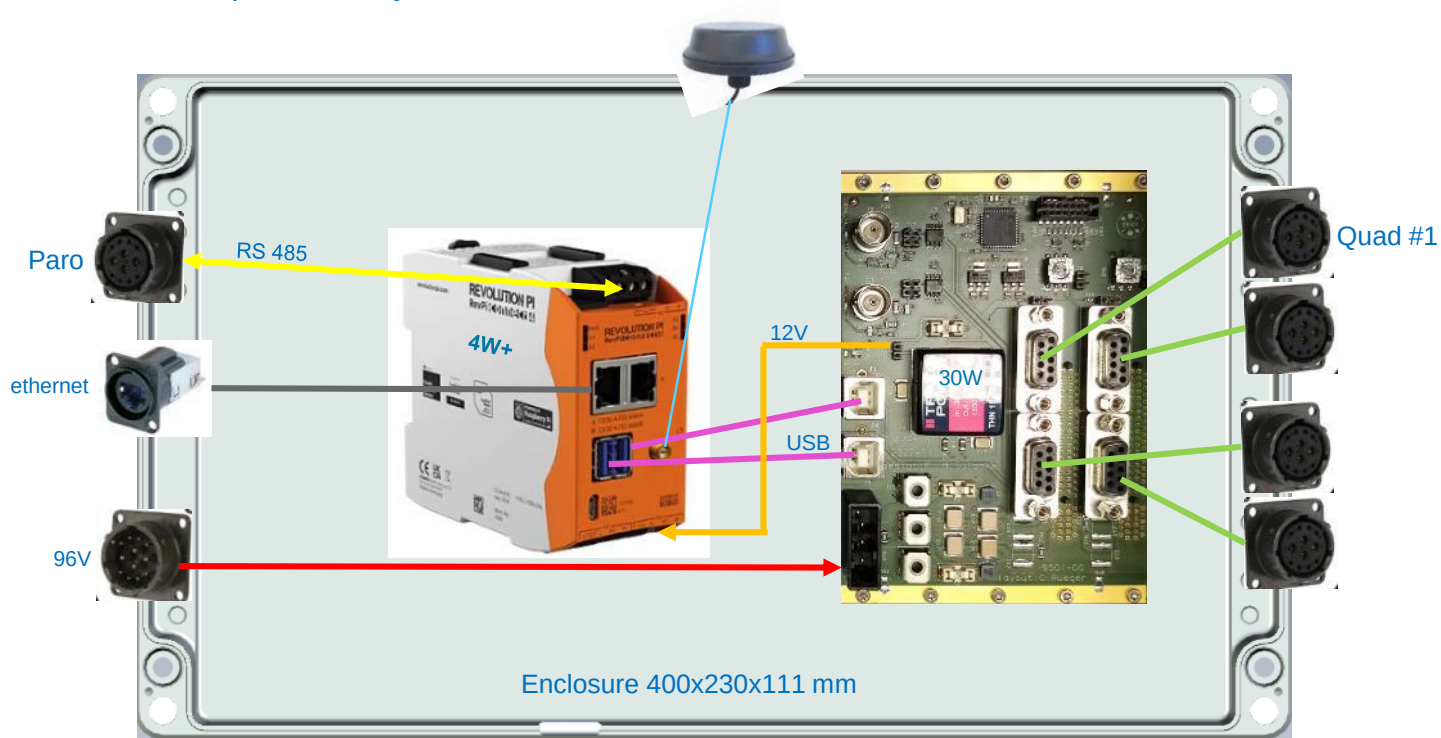
SpoolHub-Powering by Batteries

- ❑ Fully decouple the SpoolHub from the EMI generating spool-drive
- ❑ +/- 48 battery power over the slip ring
- ❑ miniPC powered by the mini-FBAP

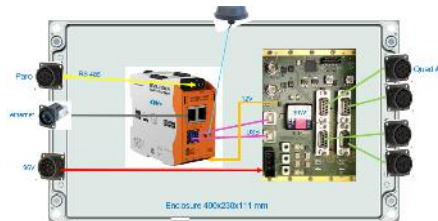


SpoolHub

- miniPC powered by the mini-FBAP

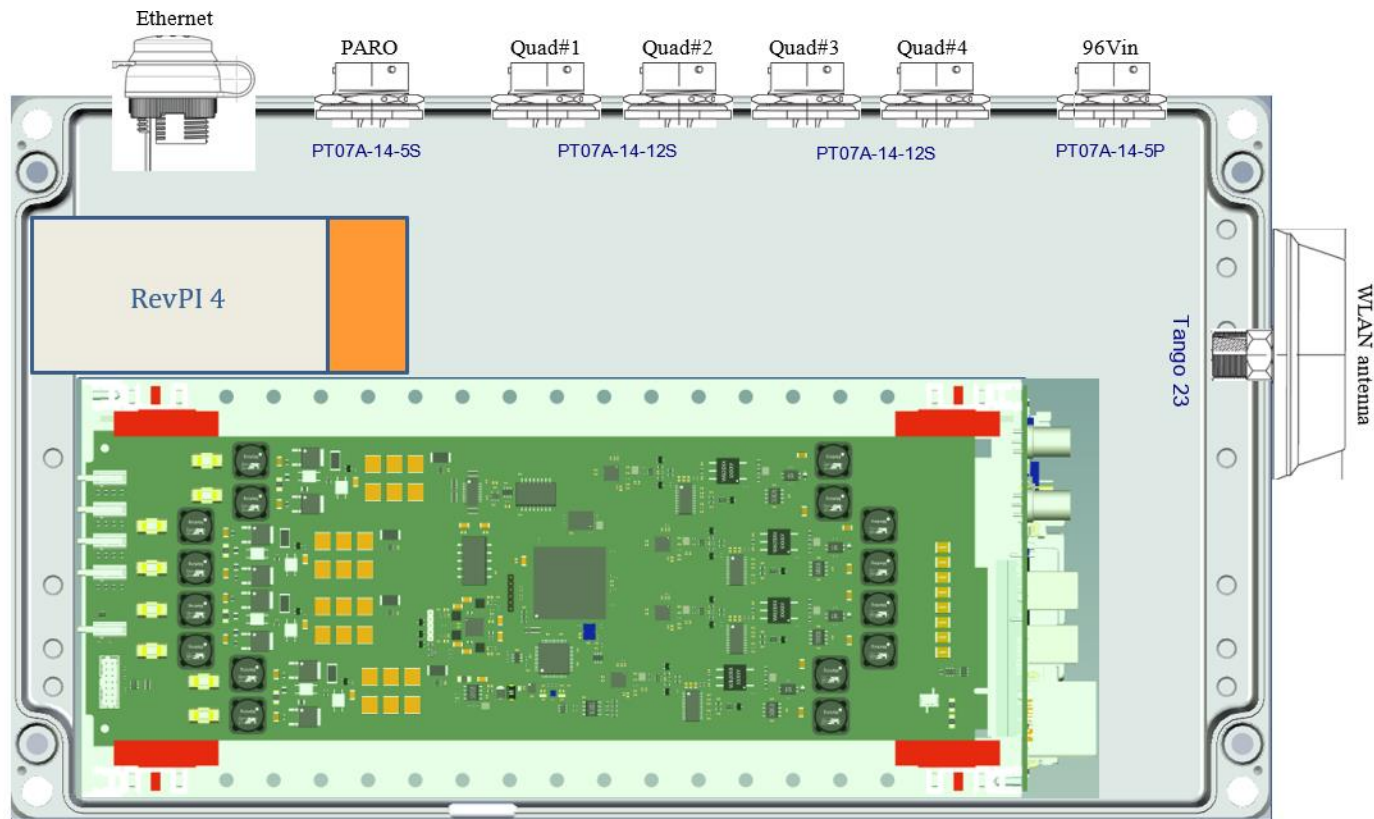


Spoolhub, Cables

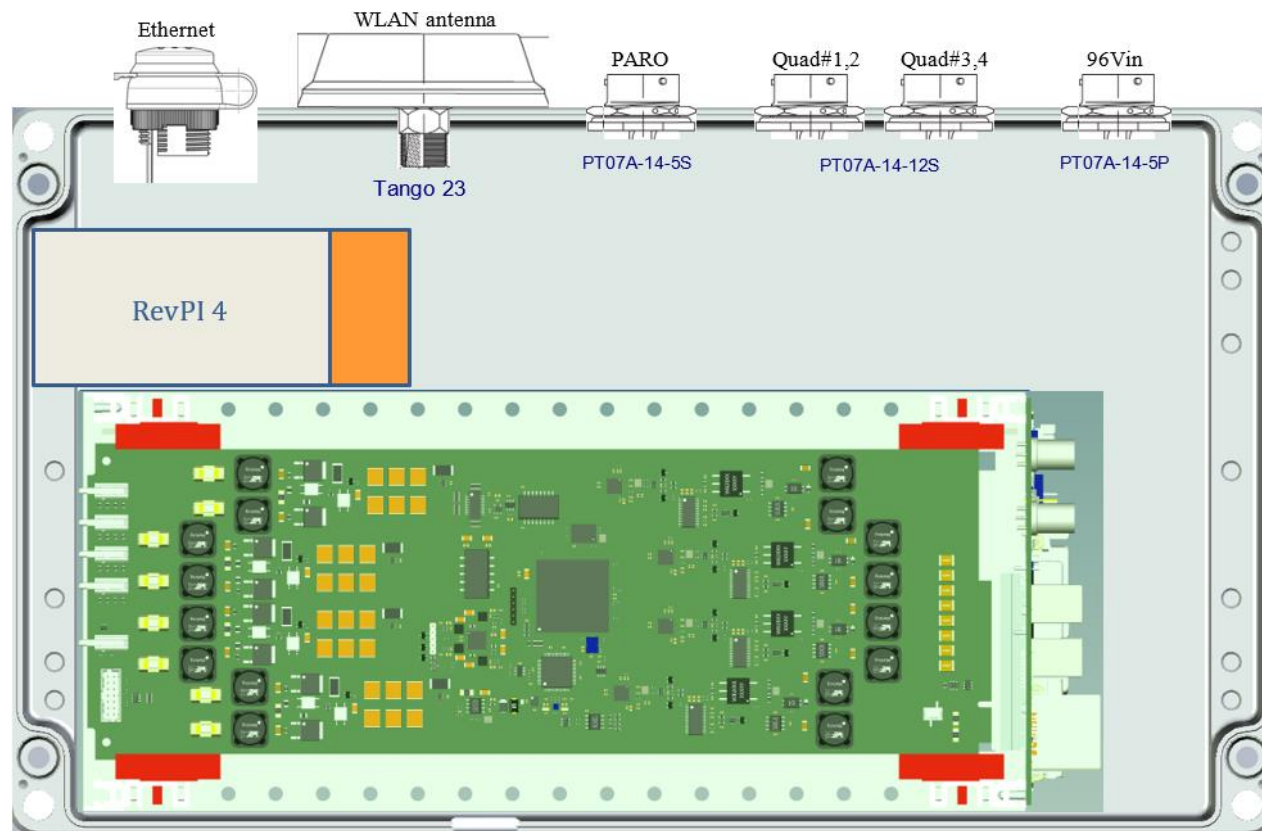


Item	Conn. #1	Conn. #2	Cable type	Length	Comment
Paro to RevPI 4	PT07A-14-5S	Cable end sleeve	969M101-22-2TPS-025	0.5m	Cable type / length is variable
Mini-FBAP to quad-conn.	DSUB9-male, Norcomp 772-E09-103R001 or Phoenix VS-09-ST-DSUB-EG or TE 5-747904-2 (or -5)	PT07A-14-12S	969M101-22-2TPS-025	0.5m	Cable type / length is variable, DSUB9 housing: Molex 173111-0496, -35°C to 125°C
96V power input to FBAP-mini	PT07A-14-5P	1-178128-3	969M101-14-3-050	0.5m	Crimp pins 1-917511-2 14AWG, cable type / length is variable
Ethernet connection	Weidmuller 1018790000 incl. protection cap	RevPI 4 built-in	Telegaertner TG 100007966	0.5m	Cat6A, -40°C to +75°C, see Weidmuller spec., reduce (milling) the wall thickness down to 3mm
USB-A to USB-B cable	USB-A male	USB-B male, right angle, down (!) pointing	DeLock 84809	0,5m	Temperature range?
RevPI 4 power cable	Molex 22-01-3027 Crimp pins 08550102	Cable end sleeve	Silicon, stranded, twisted, flex 22AWG,	0.5m	FBAP-mini, J19, Molex 22-29-2021
WLAN-Antenna TANGO23/0.5M/SMAM/S/RP/19	n.a.	SMA plug (is part of the antenna)	50ohm coaxial	0.5m	Antenna Through Hole Mount, WiFi, WLAN, 2.4 GHz to 5.9 GHz, 5 dBi,

SpoolHub, Connector Arrangement #1



SpoolHub, Connector Arrangement #2



Spoolhub, Status

- ❑ Available
 - ❑ enclosure
 - ❑ FBAP-mini (incl. new 30W DC/DC)
 - ❑ FDOR cards
 - ❑ MS connectors (?)
 - ❑ Panel mount ethernet connector (?)
 - ❑ Industry PC „RevPI connect 4“, WLAN | 8GB | 32GB
 - ❑ USB cabling
- ❑ Ordered
 - ❑ Mini-crate parts by nVent | Schroff
- ❑ Still open
 - ❑ Mini-crate assembly
 - ❑ Cable (-conn.) details
 - ❑ WLAN antenna
 - ❑ Enclosure, connectors holes ...

Battery Box, Status

- ❑ Available
 - ❑ Zarges aluminum box, 600x400x340 mm
 - ❑ 2x LiFePO4 battery, 48V 50Ah, with built-in BMS (Battery Management System)
 - ❑ 1x battery charger
 - ❑ 2x heating mats, 50W
 - ❑ Charger on/off switch
- ❑ Open items
 - ❑ Thermal insulation
 - ❑ second battery charger
 - ❑ Internal cabling
 - ❑ External connectors
 - ❑ External cabling