

# ADS for Rural America

Hardware reference list – webinar 29 September 2022

- 2020 Ford Transit 350 HD cutaway cab
  - <https://www.fleet.ford.com/showroom/commercial-trucks/transit-chassis/2020/>
- Hexagon | AutonomouStuff
  - <https://autonomoustuff.com/>
- Starcraft Bus (Goshen, IN)
  - <https://starcraftbus.com/>
- Midwest Transit (Kankakee, IL)
  - <https://www.midwesttransit.com/>
- Mandli Communications (Madison, WI)
  - <https://www.mandli.com/>
- Velodyne VLP-32C and VLP-16 LiDAR
  - <http://www.velodynelidar.com/>
- NovAtel PwrPak7D-E2 GNSS receiver w/ integrated IMU
  - <https://autonomoustuff.com/products/novatel-positioning-kits>
- Cohda Wireless MK5 OBU
  - <https://www.cohdawireless.com/solutions/hardware/mk5-obu/>
- Leopard Imaging Cameras
  - <https://www.leopardimaging.com/product-category/usb30-cameras/usb30-box-cameras/>
- Laird cellular antenna
  - <https://www.te.com/usa-en/product-TRA6927M3NBN-001.html>
- Vaisala Mobile Detector MD30 for road surface sensor
  - <https://www.vaisala.com/en/products/weather-environmental-sensors/mobile-detector-md30>
- Continental ARS 408-21 RADAR
  - <https://conti-engineering.com/components/ars-408/>
- Shore power kit
  - <https://www.progressivedyn.com/pd9200-converter/>
- 42" Samsung TV
  - <https://www.samsung.com/us/tvs/>
- Passenger tablets – Microsoft Surface Go 2
  - <https://www.microsoft.com/en-us/surface/devices/surface-go-2/tech-specs>
- Empatica E4 wristbands
  - <https://www.empatica.com/research/e4/>
- Windows Surface laptop (researcher and copilot interface)
  - <https://www.microsoft.com/en-us/surface>
- Ubiquiti 802.11 AC Dual-Radio Access Point (UAP-AC-PRO)
  - [https://dl.ubnt.com/datasheets/unifi/UniFi\\_AC\\_APs\\_DS.pdf](https://dl.ubnt.com/datasheets/unifi/UniFi_AC_APs_DS.pdf)
- Ubiquiti EdgeRouter X (ER-X)
  - [https://dl.ubnt.com/datasheets/edgemax/EdgeRouter\\_X\\_DS.pdf](https://dl.ubnt.com/datasheets/edgemax/EdgeRouter_X_DS.pdf)

- HD video cameras w/ SDI output
  - <https://marshall-usa.com/discontinued/cameras/CV225-MB.php>
- Transit Information System PC
  - <https://www.neousys-tech.com/en/product/application/rugged-embedded/nuvo-7000lp-8th-gen-rugged-fanless-embedded-computer>
- AJA Video Systems Ki Pro GO video recorder
  - <https://www.aja.com/products/ki-pro-go>
- Quantum R3000 data storage system
  - <https://www.quantum.com/en/products/r-series/>
- Power Distribution System
  - <https://www.eaton.com/us/en-us/catalog/emobility/series-31m-mvec.html>
- 600W inverter
  - <https://samlexamerica.com/products/600-watt-pure-sine-wave-inverter-pst-600-12/>
- StarTech USB 3.0 hub
  - <https://www.startech.com/en-us/cards-adapters/st4300usbm>
- Spectra computers running Ubuntu operating system
  - <https://autonomoustuff.com/products/astuff-spectra>
- Sierra Wireless AirLink cellular modem
  - <https://source.sierrawireless.com/devices/gx-series/gx450/>
- Control Ethernet switches
  - <https://control.com/rocketlinx-industrial-ethernet-switches/industrial-ethernet-switches/rocketlinx-es8108gige>
- Intrepid Control Systems neoVI ION datalogger
  - <https://intrepidcs.com/products/vehicle-network-adapters/neovi-ion/>
- Safety Driver PC – OnLogic Helix 500 (HX500)
  - <https://www.onlogic.com/computers/industrial/fanless/helix-500-600/>
- Safety Driver interface display – SunFounder 10.1” Touchscreen
  - <https://www.sunfounder.com/products/10inch-touchscreen-for-raspberrypi>
- Axis IP cameras
  - <https://www.axis.com/products/axis-p1245>
- Mobileye 6 collision avoidance system
  - <https://www.mobileye.com/au/fleets/products/mobileye-6-collision-avoidance-system/>
- Logitech webcams
  - <https://www.logitech.com/en-us/products/webcams/c930e-business-webcam.960-000971.html>
- OBDLink EX OBD adapter
  - <https://www.obdlink.com/products/obdlink-ex/>
- PACMod drive-by-wire system Ford Transit platform
  - <https://autonomoustuff.com/platform/ford-transit>
- Electronic brake booster
  - <https://www.bosch-mobility-solutions.com/en/solutions/driving-safety/ibooster/>