



Founded in 1996, AOPEN is a multinational technology company that specializes in commercial and industrial products and global certified service, including industrial PC (IPC) products for process control and data acquisition, as well as Artificial Intelligence of Things (AIoT) technologies. AOPEN enables its cloud-based partner ecosystem with smart products that automate commercial and industrial applications for top global brands. For more information, visit [www.aopen.com/us](http://www.aopen.com/us)

## VOLTA

Volta Charging innovative business model is simple: free electric vehicle charging stations that offer both sustainability and a powerful digital advertising platform. With targeted, place-based advertising delivered using its unique platform, the sponsoring brands that advertise on Volta stations become the power behind meaningful, positive change in communities nationwide. For more information, visit [www.Voltacharging.com](http://www.Voltacharging.com)



### KEY BENEFITS

- Free car-charging that features advertising and brand exposure on double-sided, dual-screen kiosks. ◀
- Streamlined operations and reduced limitations to network growth. ◀
- Pre-loaded, pre-installed customized software for plug-and-play installation. ◀



### KEY CAPABILITIES

- ▶ Reliable, cost-effective media player solution that scales to business growth and technology innovation.
- ▶ Ruggedized products designed to meet extreme temperature and climate requirements.
- ▶ Remote management capabilities that enable easy content updates and device health monitoring - anywhere, anytime.



## CHALLENGES

Volta approached AOPEN with a unique use case for powering single-screen, place-based digital advertising in outdoor environments. Deployment of these outdoor kiosks nationwide required a media player designed for these extreme conditions and could easily adapt with Volta's growth plans without retrofitting the media player.

The dual-output capability of the AOPEN Digital Engine made for an easy transition when Volta introduced a two-screen, dual-sided solution - sleek industrial enclosures designed and manufactured by Peerless-AV.

Volta began deploying the AOPEN DE3250 in its digital car-charging kiosks, and has since standardized on the AOPEN DE3450. AOPEN Digital Engines are reliable, cost-effective products designed to meet the key challenges of this type of project:

- Delivering excellent performance in extreme temperatures and climates
- Scaling to business growth and the increasing fleet of managed kiosks
- Innovating its technology and compatibility with Volta's management software native to the Ubuntu-Linux platform.



## SOLUTION

To drastically reduce overhead challenges of a nationwide rollout, AOPEN provided Volta logistics and device support services including pre-imaging, pre-installed software and drop shipment service

### About the Product:

The AOPEN Digital Engine is an ultra-thin, fanless 1080p media player designed for challenging environments, with a wide operating temperature range from 0 and 104°F. Directories are build on the Ubuntu-Linux platform and remote management of the device can be monitored from anywhere, anytime - making it easy to update content and monitor the health of the device. It has flexible features such as: two video outputs, two network ports, and serial support to make sure it can support and evolving with future deployment plans. Its fanless thermal design fits seamlessly into Volta charging kiosks. Next generation devices offer UHD and intelligent control capabilities.

AOPEN offers a variety of premium and global-certified services such as extended warranty, advanced replacement, product refurbish, and white glove services to ensure that its partners enjoy successful, scalable project deployments.



**DE3250**



## KEY RESULTS

The partnership between AOPEN and Volta delivered business growth across an ecosystem of partners, customers, and users with:

- Streamlined operations by providing pre-loaded customized software on high-performance digital engines for plug-and-play installation.
- Well-managed content on a growing fleet of managed network of kiosks in extreme temperatures and climates

For more information on the Volta free car charging kiosk project by AOPEN and Volta, visit our website for the Volta video case study or email [info@aopen.com](mailto:info@aopen.com) For more information on Volta visit their website at [www.voltacharging.com](http://www.voltacharging.com).



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