

Interactive comment on “Development of a new distributed hybrid seismic-electrical data acquisition station based on system–on-a-programmable-chip technology” by Qisheng Zhang et al.

Anonymous Referee #1

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The manuscript describes the technical realization of a new distributed data acquisition station for geophysical exploration. The digital circuits of the acquisition stations and the key technologies were integrated in a single-chip SoPC. I believe that the technical aspects explored in this study will drive the advancement of prospective integrated seismic-electrical technologies. The findings of this study are very suitable for the GI journal for Geoscientific Instruments. The manuscript is written in an adequate style and the quality of the figures is good. I have attached below several comments arising from the paper, which might be helpful to further improve the quality of the publication

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of the paper. Figure 3, the DC-DC part of the power cord has too many colors. It is recommended to remove the power cord because there is no need to detail the power supply of each module in the block diagram. The format of some of the references should be properly adjusted to ensure that the article format is more standardized. A final checking for any missed spelling errors may be necessary. I am looking forward to the final publication of the manuscript.

[Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss.,
<https://doi.org/10.5194/gi-2019-12>, 2019.](#)

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