

Four New Things You Need to Know about Automotive Digital Cockpit Solutions



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If you didn't catch our digital cockpit solutions enabled by the ["Jacinto 6"](#) family of automotive processors showcased at CES 2017, I'd like give you a glimpse into four things that you missed.

1. The "Jacinto 6 Entry" DRA71x processor allows automotive OEMs and Tier 1s to create feature-rich infotainment and digital cluster systems for cost-sensitive vehicle models.
2. The next generation of "Jacinto 6" processors on display at CES built on the "Jacinto 6" DRA74x with added performance, extending the platform and its capabilities upward.

These processors are software compatible with ["Jacinto 6" DRA74x](#) and ["Jacinto 6 Eco" DRA72x](#) devices, which allows you to scale from entry to premium segments for infotainment, digital cluster, and digital cockpit integration applications.

Check out the videos below showcasing our most compelling automotive demos of the "Jacinto 6" family:

Scalable Digital Cockpit Solutions – for Entry-level to Luxury Lines

This highlights the ability to reuse your software to scale from the entry to premium automotive segments using the "Jacinto 6" family for digital cockpit integration, infotainment and digital cluster applications.

Featured devices: [DRA74x](#), [DRA72x](#), [DRA71x](#)

Safety Certifiable Digital Cluster at Optimized Cost

TI offers 1920x720 resolution with graphics rendering at 60 frames per second (fps) and ASIL-B certifiable solutions using the unique heterogeneous architecture of "Jacinto 6 Entry" DRA71x to provide a truly cost-effective digital cluster solution.

Featured devices: [DRA71x](#)

Integrated Digital Cluster and Infotainment on a Single Display

In an entry-level vehicle where cost and space is a luxury, "Jacinto 6 Entry" processors can help ensure infotainment features do not have to be sacrificed. TI provides integration at the entry segment by combining digital cluster and display audio on a single display. This includes smartphone screen replication over Wi-Fi® and digital audio and radio features.

Featured devices: [DRA71x](#)

Digital Cockpit Integration Driven by a Single Device

A reconfigurable digital cluster and infotainment center stack driven by the next "Jacinto" processor enables performance and integration with system-level costs savings. The improved performance allows you to run two operating systems using a hypervisor with GPU sharing. This cockpit integration demo also takes advantage of the "Jacinto 6" platform's heterogeneous architecture for DSP- and ISP-based surround view, DSP-based software defined radio (SDR) and 60 fps digital cluster rendering.

Featured device: [DRA74x](#)

You're now up to date on the latest infotainment and digital cockpit technology and ready to get started designing your latest auto design with "Jacinto 6." [Learn more today!](#)

Read More about Automotive Infotainment, Digital Cockpit and Other Relevant Topics:

[How infotainment and cluster solutions can help drivers stay informed, not distracted](#)

[Four is not always more difficult than three](#)

[Infotainment for the Masses – Volkswagen MIB II Standard powered by TI](#)

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