About PureLine - The PureLine series was initially developed for constellation applications with large quantities, paving the way to offer disruptive unit prices while keeping high quality products. This approach can now be extended to global satellite applications.

PureLine is aimed at markets that can embrace the following key features: models are produced in large batches, with automotive quality grade parts and justification files based on constellation heritage. The main advantage of this product line is that it offers very cost-effective products without compromising reliability and quality. This new value proposition is a pivotal enabler for commercial space-based applications, and is made possible solely thanks to the innovative business approach of Airbus Spacecraft Equipment.
The PureLine Amethyst centralized avionics offers the best of essential functionalities in our most compact, lightweight and low-power design ever. Amethyst is a fully redundant unit providing the following main functions:

- On-Board Computer
- TM / TC
- GPS receiver
- Secondary voltages delivery
- Interface to AOCS sensors & actuators (STR/SADM/MTQ…)
- Software Time and Space Partitioning capability

Amethyst is based on a high-performance processing core designed for safety critical applications associated with an innovative software architecture, allowing complete avionic processing to be performed in a single chip. Innovations introduced on our PureLine products allow us to offer to the global space market cost-effective centralized avionics equipment featuring a typical 10-year lifetime in LEO.

All components of Amethyst have been intensively radiation-tested to ensure flawless in-orbit operations.