

Press Release



Introducing the '400 Series': Paradise Unveils New Release of Q-Flex, the Leading Software-Defined Satcom Modem

*400 Series is Faster, Smaller, and Lighter with more powerful FPGAs.
Will be featured at Satellite 2019 in Washington, DC*

STATE COLLEGE, PA – May 1, 2019 – [Teledyne Paradise Datacom](#) (Paradise), part of the [Teledyne Defense Electronics Group](#), announced today that it has begun shipping the latest version of its innovative line of Q-Flex modems, *the 400 Series*.

[The flagship 400 Series](#) features faster data rate speeds, providing up to 345Mbps, while also being both smaller and lighter in weight. Expanding on the groundbreaking flexibility the Q-Flex has long been known for, the 400 Series offers more powerful FPGAs (Field Programmable Gate Arrays) that will accommodate further firmware upgrades and features in the future.

“We are also pleased to announce that the new QMultiflex-400 delivers DVB-S2X on outbound and return carriers as well, in line with the rest of the Q-Flex range. With this upgrade, customers can rest easy knowing their [Q-Flex platform](#) supports the most powerful bandwidth saving technology available today,” said Mike Towner, Senior Director of Business Development for Paradise Datacom.

“The new Q-Flex 400 Series operates seamlessly with the current Q-Flex platform, so customers can continue to optimize operations by simply adding 400s to their existing network infrastructure,” Towner added.

The 400 Series features *Paired Carrier+™*, the enhanced carrier overlap technology pioneered by Paradise which enables transmit and receive carriers to share the same space segment. The 400s also utilize *XStream IP™*, more bandwidth-saving Paradise technology including adaptive coding and modulation (ACM), acceleration, and header and payload compression.

The Q-Flex 400 platform is currently moving through the process of WGS (Wideband Global SATCOM) certification.

Current Q-Flex modems are factory upgradeable to the Q-MultiFlex platform by simply adding accessory demodulator cards which enables a single earth station modem to establish two-way communications with up to 16 remote sites. The point to multi-point functionality is retained in the 400 Series with remote sites utilizing a preconfigured version of the QFlex-400, the QFlex-400 P2MP.

The complete 400 Series is now shipping to customers and includes the following models: the [Q-Flex 400](#), the [Q-Multi-Flex 400](#), and the [Q-Flex 400 P2MP](#). The platform will be featured at the [Teledyne Defense Electronics Booth 1501](#) May 6-9 in Washington, DC.

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About Teledyne Paradise Datacom

Teledyne Paradise Datacom designs, manufactures and sells satellite modems, solid state power amplifiers (SSPA), low noise amplifiers (LNA), block up converters (BUC) and associated redundancy subsystems. We deliver satellite communications products around the world and have unparalleled experience in satellite communications products. At Paradise, we focus on creating significant product differentiators and innovative architectures in order to make ourselves the supplier of choice in the satcom industry. www.paradisedata.com.

About Teledyne Defense Electronics

Serving Defense, Space and Commercial sectors worldwide, Teledyne Defense Electronics offers a comprehensive portfolio of highly engineered solutions that meet your most demanding requirements in the harshest environments. Manufacturing both custom and off-the-shelf product offerings, our diverse product lines meet emerging needs for key applications for avionics, energetics, electronic warfare, missiles, radar, satcom, space, and test and measurement . www.teledyneodeflec.com. TDE is a business unit of Teledyne Technologies, Inc., a leading provider of sophisticated instrumentation, digital imaging products and software, aerospace and defense electronics, and engineered systems. www.teledyne.com.

Media Contact:

Darrek Porter, Director of Marketing
Teledyne Defense Electronics
(404)-368-9714
darrek.porter@teledyne.com