

Cordio products

Product	Standard
Cordio-C50 radio IP	Bluetooth 5 and 802.15.4
Cordio-E154 radio IP	802.15.4
Cordio-B50 radio IP	Bluetooth 5

Partner quotes

Foundry

UMC

“IoT chip designers are being asked to deliver highly integrated solutions within more power constrained environments, within shorter time windows,” said Yanan Mou, senior director of IP development and design support division at UMC. “UMC possesses the foundry industry’s most robust IoT-specific 55nm technology platform with our 55uLP process, supported by highly comprehensive IP resources to address the “always on” ultra-low power requirements of IoT products. In addition to the ARM Artisan® Physical IP, support for ultra-low power Cordio Bluetooth and 802.15.4 radio IP solutions will immediately increase the portfolio of tools we can offer to reduce design-in complexities and time to market.”

RF front-end IP

Aura semiconductors

“Collaborating with ARM to provide advanced wireless connectivity solutions is essential for the growth of the IoT,” said Srinath Sridharan, CEO, Aura semiconductors. “Aura’s high performance radio transceiver IP is available across multiple technology nodes, and when combined with ARM Cordio radio IP, it provides a compelling solution for customers developing SOC’s for the IoT market.”

Catena

“Utilizing ARM’s worldwide ecosystem will enable Catena to further expand its position as a supplier of high performance RF and wireless IP,” said Kavé Kianush, CTO and vice president of Catena. “For the IoT to be successful we need to see many technologies from various disciplines working together seamlessly. Partnering with ARM will accelerate this journey as it will enhance the accessibility of wireless technology to a wider range of companies developing products for the growing IoT market”

Standards organizations

Bluetooth SIG

“Bluetooth 5 will drive innovation within the Internet of Things, opening up limitless possibilities for richer, more valuable experiences in smart home, beacon, and location awareness scenarios,” said Steve Hegenderfer, director of developer programs at the Bluetooth SIG. “We are excited to see member

ARM Product News Summary



companies like ARM already working to leverage the advancements coming in Bluetooth 5 to enable next generation devices that will bring a fully accessible, interoperable IoT to life.”

Thread Group

“ARM has worked closely with The Thread Group since its formation, and together we’ve made substantial progress towards creating a better way to connect devices in the home,” said Grant Erickson, president of the Thread Group. “We’re very pleased that ARM is enabling more companies to build Thread-enabled devices, as there’s significant demand for our reliable, low-power, secure and scalable mesh networking solution.”

ZigBee Alliance

“ARM’s native support for 802.15.4-based protocols will certainly bolster IoT product possibilities as companies continue to innovate and connect humans with surrounding devices,” said Victor Berrios, Vice President of Technology, ZigBee Alliance. “Our 400+ member companies from 37 countries work together utilizing ZigBee-based standards to drive the Internet of Things forward on a universal scale, and more platform choices helps us all reach that next level where IoT becomes of everyday interest and value.”

ZigBee stack providers

DSR Corporation

“DSR’s partnership with ARM complements our complete production quality ZigBee 3.0 software stack with new technology that will accelerate our customers’ use of ZigBee in their products” said Anatoli Pechkov, CEO, DSR Corporation, DSR Corporation. “We have been delivering quality development services since 1998 and working in wireless technology since 2001, and the partnership of ARM Cordio IP with our latest connectivity solution will help our partners grow the market by enabling more compatible 802.15.4 ZigBee-based devices”

ubisys

“We are extremely excited to partner with ARM in order to enable world-class ZigBee 3.0 solutions on ARM-based platforms, the Cordio radio IP solution for 802.15.4 and ubisys’ leading ZigBee stack”, said Dr. Arasch Honarbacht, managing director of ubisys, vice chairman of the Core Stack Working Group and elected voting member of the PRO Technical Steering Committee within ZigBee Alliance. “ZigBee 3.0 is the premier choice for creating interoperable, secure, scalable, reliable, low-power mesh networks for the Internet-of-Things. ubisys, is the first company to successfully certify ZigBee 3.0 products and the technology leader in this area. We are fully committed to make this partnership a roaring success and deliver an outstanding solution to the market.”