

Digi M2M Solution Builder Kit

Cloud-enabled end-to-end solution for M2M applications

About Digi M2M Solution Builder Kit

The Digi M2M Solution Builder Kit delivers a complete, flexible and cloud-enabled solution out-of-the-box. Based on a powerful Intel Atom processor combined with a wide range of connectivity options, it is the product platform choice for a wide range of demanding M2M applications. Built as a Digi end-to-end solution, including hardware, software and services, this kit enables customers to design and deploy connected M2M solutions quickly and easily.

Overview

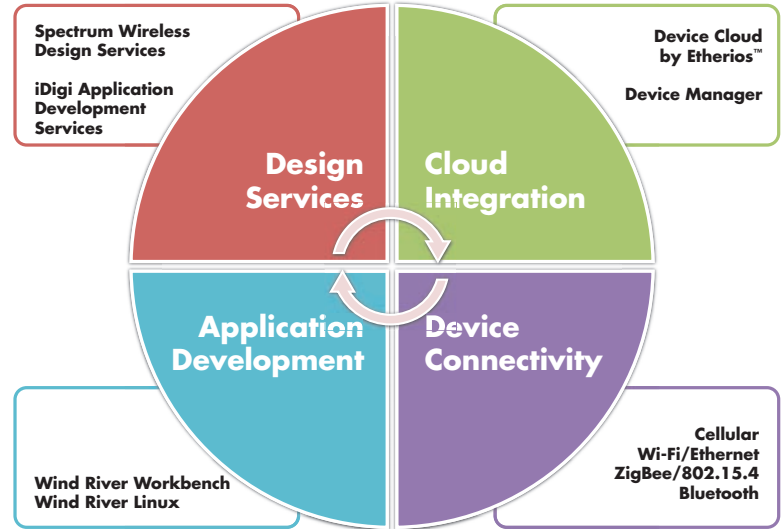
The kit includes a certified gateway with all available connectivity options, such as 2G/3G cellular, dual-band Wi-Fi, Gigabit Ethernet and 802.15.4. It offers tremendous flexibility with the ability to grow with customers and market requirements. Future connectivity extensions such as 4G/LTE cellular, Bluetooth 4.0 and ZigBee can be easily added.

Based on an Intel Atom processor, the gateway is ideal for processing-intensive and audio/video enabled applications covering a wide variety of markets. These include industrial automation, building automation, security/surveillance, digital signage, kiosk, healthcare and more.

Device Cloud by Etherios™ provides remote management and secure data integration services, enabling the development of smart connected devices with a scalable product deployment.

The kit provides the professional Wind River Linux development environment tailored for the specific needs of M2M applications and enabling rapid development of cloud-connected solutions.

Digi offers complete Device Cloud application development services as well as wireless and hardware design services through Spectrum Design Services, a Digi subsidiary. Working with Digi as a single vendor reduces time, effort, complexity and design risk.



Features/Benefits

Seamless Device Cloud integration

Integrated wired and wireless connectivity options

Highly versatile and capable product platform

Professional Linux development environment

- Secure and scalable device cloud solution with remote management and data services
- Complete gateway connectivity out-of-the-box
- Powerful Intel Atom based platform for M2M and audio/video driven applications
- 90-day license of Wind River Linux 4.3 with Wind River Workbench IDE
- Ready-to-use LiveUSB stick with complete development environment included



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General	
Processor	Intel® Atom™ E620T @ 600 MHz
Chipset	Intel® Platform Controller Hub EG20T
Cache	32 KB I-Cache, 24 KB L1 Cache, 512 KB L2 Cache
Memory	1 GB DDR2
External Supply	100-240 VAC, 50/60 Hz input/rating, 12 VDC, 2A input/rating
User Interface	Reset button, user button, LED status indicators
Expansion	Up to 4 internal PCI Express Mini Card Connectors
Network Interface - Ethernet	
Standard	Gigabit Ethernet, IEEE 802.3-2008
Connectivity - Cellular	
Technology/Bands	HSPA/UMTS (800/850/900/1900/2100 MHz), EDGE/GPRS/GSM (850/900/1800/1900 MHz), EV-DO/CDMA (800/1900 MHz)
Data Rates	HSDPA/HSUPA: 7.2 Mbps or 14.4 Mbps/5.76 Mbps, WCDMA: 384 kbps GSM: 14.14kbps, GPRS: 85.6 kbps/42.8 kbps, EDGE: 236.8 kbps/118.4 kbps EV-DO: 3.1 Mbps/1.8 Mbps, CDMA 1xRTT: 153 kbps, CDMA 1xEV-DO: 3.1/1.8 Mbps (DL/UL)
Power Class	HSPA/WCDMA: Class 3, GSM/GPRS 850/900 MHz: Class 4, GSM/GPRS 1800/1900 MHz: Class 1, EDGE: Class E2
Dual Diversity	HSPA/UMTS/EV-DO/CDMA modes
Connectivity - Wi-Fi	
Bands	2.4 / 5 GHz
MIMO	2x2, up to 300 Mbps
Standards	802.11a/b/g/n, 802.11d, 802.11e, 802.11i, 802.11h
Security	WPA/WPA2, 802.1X (EAP-TLS, TTLS, PEAP, LEAP,EAP-FAST), EAP-SIM, EAP-AKA, PAP, CHAP, TLS GTC, MS-CHAP, MS-CHAPv2
Dual Diversity	•
Encryption	64- and 128-bit WEP, AES-CCMP, TKIP
Peripherals	
USB 2.0	3
Video	2
Audio	Headphone/Line Out, Microphone
Storage	2 Micro SD (1 internal, 1 external)
Other	Three-axis linear accelerometer
Mechanical	
Dimensions (H x W x D) & Weight	67 mm x 100 mm x 27 mm (92 mm x 100 mm x 62 mm w/mounting brackets), 0.36 kg unit (1.1 kg packaged kit)
Connectors	2 x Cellular antenna, 2 x Wi-Fi / 802.15.4 antenna, Ethernet (RJ-45), 2 x MicroHDMI, Headphone/Line Out, Microphone, SIM card slot, MicroSD slot (external), MicroUSB 2.0 (Type B), USB 2.0 Type A, Power
Environmental	
Operating Temperature	-0° C to +50° C
Storage Temperature	-25° C to +70° C
Humidity	5 to 95% RH @ 25-35° C non-condensing
Shock	Operating: 2G, 11 ms duration, 6 directions (half-sine); Non-operating: 25G, 11 ms duration, 6 directions (half-sine)
Approvals (Pending)	
Regulatory	FCC Class B, CE, Nemo NTRL 60950-1
Cellular Carriers	AT&T, Sprint

