



802.11b/g Modules and Kits

AirborneDirect™: Bridge Modules come with either Ethernet, Serial (RS232/422/485) or RS232 connections, antenna. Airborne™ Embedded Modules: Versions include LAN mode module, module with Integrated Ethernet Bridge software or a module with Integrated Serial Bridge software. U.FL Connector on board.

Description	Connection Type	Digi-Key Part No.	1	Price Each	10	25	DPAC/Quatech Part No.
AirborneDirect™ Modules / Kits							
Wireless Device Server 802.11b with Antenna	RS232	590-1002-ND	139.51	122.07	117.71		ABDB-SE-DP107
Wireless Device Server 802.11b/g with Antenna	RS232/422/485	590-1018-ND	149.99	128.83	124.23		ABDG-SE-DP101-G
Wireless Device Server 802.11b/g with Antenna	RS232/422/485	590-1038-ND	202.12	176.86	167.38		ABDG-SE-DP103
Wireless Device Server 802.11b/g with Antenna	RS232	590-1019-ND	142.12	122.07	117.71		ABDG-SE-DP104-G
Wireless Device Server 802.11b/g with Antenna	RS232	590-1039-ND	191.43	167.51	158.53		ABDG-SE-DP106
Wireless Device Server 802.11b/g Serial Powered with Antenna	RS232	590-1020-ND	142.12	122.07	117.71		ABDG-SE-DP107-G
Wireless Ethernet Bridge 802.11b/g	Ethernet	590-1021-ND	142.12	122.07	117.71		ABDG-ET-DP101-G
Airborne™ Embedded Modules / Kits — RoHS Compliant							
802.11b/g Module Integrated Serial Bridge Software with U.FL Antenna Port	RS232	590-1015-ND	80.57	67.54	65.21		WLNG-AN-DP101-G
802.11b/g Module Integrated Serial Bridge Software with U.FL Antenna Port	Serial (RS232/422/485)	590-1016-ND	80.57	67.54	65.21		WLNG-SE-DP101-G
802.11b/g Module Integrated Ethernet Bridge Software with U.FL Antenna Port	Ethernet	590-1017-ND	80.57	67.54	65.21		WLNG-ET-DP101-G
Development Kit for Airborne Embedded 802.11b/g Module with Wireless Access Point	Ethernet	590-1037-ND	185.73	159.53	150.98		ABDG-ET-DP103
Development Kit for Airborne Embedded 802.11b/g Module with Wireless Access Point	Ethernet	590-1036-ND	202.55	—	—		ABEG-ET-DP103-G
Development Kit for Airborne Embedded 802.11b/g Module with Wireless Access Point	Serial (RS232/422/485)	590-1040-ND	353.22	317.90	300.24		WLNG-EK-DP001
Development Kit for Airborne Embedded 802.11b/g Module without Wireless Access Point	Serial	590-1022-ND	238.82	—	—		WLNG-EK-DP003-G
Antennas and Accessories							
Adapter Cable, RPSMA (Jack) to U.FL (Plug) 100mm	—	590-1014-ND	8.49	6.54	6.16		ACHO-CA-DP004-G
Antenna, 2dBi, Rubber Duck, RP-SMA	—	590-1028-ND	7.76	5.87	5.52		ACH2-AT-DP002-G
Antenna, 5dBi, Rubber Duck, RP-SMA	—	590-1007-ND	8.99	6.91	6.51		ACH2-AT-DP003
Antenna, 5dBi, Rubber Duck, U.FL (Flying Lead)	—	590-1030-ND	9.72	7.35	6.92		ACH2-AT-DP004-G

◆ RoHS Compliant

FlexiPanel

UZBee™ Transceiver

UZBee is an EasyBee ZigBee/IEEE 802.15.4 radio with USB interface, housed in a handy adapter enclosure.

- Features: • 2.4GHz IEEE 802.15.4 RF module • PIC18LF4550 USB microcontroller • FCC/CE compliant • Signature G antenna, free-space range 120m, compact, low 'hand-effect' design • Pushbutton • Status LED • 56mm x 20mm x 9mm

658-1010-5-ND (FlexiPanel # UZBEE) 44.12

Pixie™ Transceivers

Pixie provides a complete ZigBee solution for OEMs, integrating IEEE 802.15.4 2.4GHz PHY/MAC layers with Microchip Technology's NWK/APL/ZDO layers. It provides a path for extremely rapid migration from Microchip's PICDEM Z ZigBee development environment to market-ready product. It is capable of full function device (FFD) operation and is suitable for router and coordinator nodes. The lower cost Pixie Lite version is used for reduced function devices, e.g. endpoints, with 2 fewer I/O lines and being 3mm more compact.

- Features: • Free space range approximately 120m • FCC/CE/IC compliant • MAC address allocation • Signature G antenna, low "hand effect" design • Output power 1mW / 0dBm • Consumes less than 25mA when active, 2µA in sleep mode • 15 general I/O lines, 10-bit A/D, serial UART, 4 Interrupts, counter input • Master SPI • 2.1V - 3.6V supply

658-1002-5-ND (FlexiPanel # PIXIE-DIL-PXSC)	45.22
658-1003-5-ND (FlexiPanel # PIXIE-DIL-PXSR)	45.22
658-1004-5-ND (FlexiPanel # PIXIE-SO-PXSC)	34.43
658-1005-5-ND (FlexiPanel # PIXIE-SO-PXSR)	34.43
658-1006-5-ND (FlexiPanel # PIXILITE-DIL-PLFE)	44.12
658-1007-5-ND (FlexiPanel # PIXILITE-DIL-PLSE)	44.12
658-1008-5-ND (FlexiPanel # PIXILITE-SO-PLFE)	31.69
658-1009-5-ND (FlexiPanel # PIXILITE-SO-PLSE)	31.69

Bluetooth® Evaluation Board

The Bluetooth Evaluation Board is designed to evaluate the following products from FlexiPanel LTD: • Toothpick • LinkMatik • BlueMatik

This Evaluation board can be used during development as a reliable and tested device.

- Features: • Sockets for all modules • Power regulator, switches and LEDs • Jumper switches for board configuration • RS232 serial port and TTL to RS232 converter • Toothpick IC2 programming socket • 24C256 I2C memory chip • This board can accept any (reasonable low ripple) unregulated 5V-12V supply, 2.5mm Center Positive • One module can be evaluated at a time • Can be used with FlexiPanel Device Tutorials

658-1018-ND (FlexiPanel # EVAL-BT) 109.47

TeaClippers™ MCU Programmers

The TeaClippers are portable, target-powered firmware programmers for Microchip's PIC Microcontrollers or Basic Stamps. Limited Firmware uploads can be enabled for firmware resale. Encrypted versions are available to protect content and device verification prior to and during programming. The Crypto version supports any microcontroller that can write-to its own memory. Unique serial numbers and license codes can be written to each PIC Programmed. The TeaClipper USB Adapter is required to load the TeaClipper's with Firmware.

Description	Digi-Key Part No.	Price Each	FlexiPanel Part No.
TeaClipper PIC			
High or Low Voltage Programming Clip	658-1019-5-ND	32.52	TEACL-PIC-HV
Low Voltage Programming Clip	658-1020-5-ND	23.23	TEACL-PIC-LV
TeaClipper Stamp			
Programming Clip for Basic Stamp Modules	658-1021-5-ND	23.23	TEACL-STAMP
TeaClipper Crypto			
Encrypted Programming Clip for Content Protection	658-1022-5-ND	23.23	TEACL-CRYPTO
Evaluation Kits / Accessories			
Debug Adapter for the IC2D	658-1023-5-ND	23.23	TEACL-PIC-DB
Debug Adapter for the STAMP	658-1024-5-ND	23.23	TEACL-STAMP-DB
TeaClipper Evaluation Board	658-1025-5-ND	92.93	TEACL-EVAL
USB Adapter for TeaClipper	658-1026-5-ND	34.85	TEACL-USB

FOTOFAB RF Shields

Fotofab provides precision metal shields using a chemical etching process. Shields come in several standard sizes, and are designed to be formed by hand without the need for tooling. Prototyping kits are available in a standard size and small size kit, depending on your size requirements. Shielding kits provide different height options on each shield, from 0.25, 0.5 or 0.75 inches. Dimpled Shields (DMP) are available with a removable lid to access the components inside for testing/prototyping, without having to desolder the shield. Features: • Shields come in several standard sizes • CDA 26000 1/2 hard copper alloy material provides outstanding electrical characteristics • Dimensions are outside (formed) dimensions

Shield Height (Inches)	Dimensions (L x W) (Inches)	Digi-Key Part No.	1	Price Each	25	100	Fotofab Part No.
0.25	0.5 x 0.5	655-1000-ND	1.18	.66	.58		0.5 X 0.5 X 0.25
0.25	0.5 x 1.0	655-1001-ND	1.63	.97	.86		0.5 X 1.0 X 0.25
0.25	0.75 x 1.125	655-1002-ND	2.00	1.23	1.10		0.75 X 1.125 X 0.25
0.25	0.75 x 1.5	655-1003-ND	2.49	1.68	1.48		0.75 X 1.50 X 0.25
0.25	1.0 x 1.0	655-1004-ND	2.32	1.44	1.27		1.0 X 1.0 X 0.25
0.5	1.5 x 2.25	655-1005-ND	7.24	4.98	4.53		1.5 X 2.25 X 0.50
0.25	1.5 x 3.0	655-1006-ND	6.46	4.40	3.88		1.5 X 3.0 X 0.25
0.5	2.0 x 3.0	655-1007-ND	11.94	8.69	7.87		2.0 X 3.0 X 0.50
0.25	0.75 x 0.75	655-1008-ND	1.57	.93	.83		0.75 X 0.75 X 0.25
0.25	1.0 x 1.5	655-1009-ND	3.15	1.96	1.77		1.0 X 1.5 X 0.25
0.25	1.0 x 2.0	655-1010-ND	3.80	2.38	2.18		1.0 X 2.0 X 0.25

Shield Height (Inches)	Dimensions (L x W) (Inches)	Digi-Key Part No.	1	Price Each	25	100	Fotofab Part No.
0.25	1.5 x 1.5	655-1011-ND	3.80	2.38	2.18		1.5 X 1.5 X 0.25
0.5	1.0 x 1.5	655-1012-ND	4.41	2.94	2.63		1.0 X 1.5 X 0.5
0.25	1.0 x 1.5	655-1015-ND	12.10	8.81	7.98		DMP-1.0 X 1.5 X 0.25
0.25	1.0 x 1.0	655-1016-ND	11.02	8.02	7.27		DMP-1.0 X 1.0 X 0.25
0.25	0.5 x 0.5	655-1017-ND	8.41	5.71	5.26		DMP-0.5 X 0.5 X 0.25
0.25	0.5 x 1.0	655-1018-ND	5.50	3.99	3.55		DMP-0.5 X 1.0 X 0.25
Shielding Kits							
Variable Height Prototype Kit - 29 Large Shields			655-1013-ND	201.17/1			RF PROTOTYPE KIT- LARGE
Variable Height Prototype Kit - 46 Small Shields			655-1014-ND	201.17/1			RF PROTOTYPE KIT- SMALL

◆ Removable Top Shield

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

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(UK091) 511