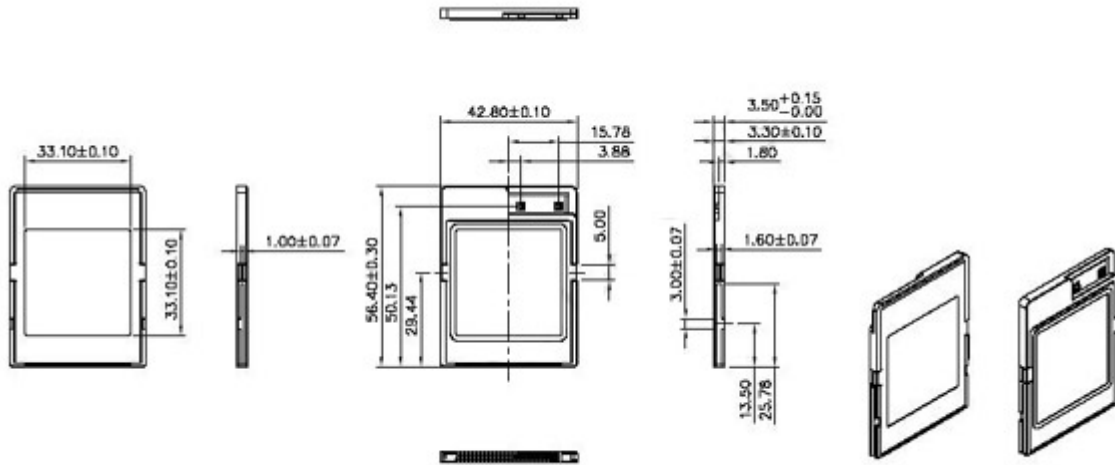




**Mechanical Outline**

Unit: mm



<b>Specifications:</b>	
<b>Standard conformance</b>	IEEE 802.11b, 802.11g
<b>Frequency Range</b>	<ul style="list-style-type: none"> <li>▪ B mode: 2.4000~2.497 GHz</li> <li>▪ G mode: 2.400~2.4835 GHz (US, Canada, ETSI, Japan)</li> </ul>
<b>Interface</b>	CompactFlash Type I extended
<b>Operation Voltage</b>	3.3V ± 10%
<b>Modulation Technique</b>	<ul style="list-style-type: none"> <li>▪ 802.11b: DSSS with DBPSK, DQPSK and CCK</li> <li>▪ 802.11g: OFDM with BPSK, QPSK, QAM and 64QAM DSSS with DBPSK, DQPSK and CCK</li> </ul>
<b>Operating Channels</b>	<ul style="list-style-type: none"> <li>▪ 802.11b: 2.400~2.497 GHz (CH: 1~14)</li> <li>▪ 802.11g: 2.400~2.4836 GHz (CH: 1~13)</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>▪ 802.11b mode: <ul style="list-style-type: none"> <li>◦ FTP Tx: 345mA (typical)~380mA (max)</li> <li>◦ FTP Rx: 330mA (typical)~360mA (max)</li> <li>◦ Stand by: 300mA (typical)~330mA (max)</li> </ul> </li> <li>▪ 802.11g mode: <ul style="list-style-type: none"> <li>◦ FTP Tx: 330mA (typical)~360mA (max)</li> <li>◦ FTP Rx: 330mA (typical)~360mA (max)</li> <li>◦ Stand by: 300mA (typical)~330mA (max)</li> </ul> </li> <li>▪ Power saving: 25mA (typical)~40mA (max)</li> </ul>
<b>Transmit Power Settings</b>	<ul style="list-style-type: none"> <li>▪ B Mode: 17.5 ± 1.5 dBm @ 1, 2, 5.5, and 11Mbps</li> <li>▪ G Mode: 13.5 ± 1.5 dBm @ 6, 9, 12, 18, 24, 36, 48 and 54Mbps</li> </ul>
<b>Sensitivity</b>	<ul style="list-style-type: none"> <li>▪ 802.11b mode: <ul style="list-style-type: none"> <li>◦ -90dBm@1Mbps</li> <li>◦ -88dBm@2Mbps</li> <li>◦ -86dBm@5.5Mbps</li> <li>◦ -84dBm@11Mbps</li> </ul> </li> <li>▪ 802.11g mode: <ul style="list-style-type: none"> <li>◦ -82dBm@6Mbps</li> <li>◦ -81dBm@9Mbps</li> <li>◦ -79dBm@12Mbps</li> <li>◦ -77dBm@18Mbps</li> <li>◦ -74dBm@24Mbps</li> <li>◦ -70dBm@36Mbps</li> <li>◦ -66dBm@48Mbps</li> <li>◦ -65dBm@54Mbps</li> </ul> </li> </ul>
<b>MAC Protocol</b>	CSMA/CA with ACK

<b>Specifications:</b>	
<b>Security</b>	<ul style="list-style-type: none"> <li>▪ 64 Bit/128 Bit(HEX/ASCII), 128 bits(HEX/ASCII) WEP Encryption</li> <li>▪ 802.1x support LEAP, EAP-TLS and EAP-PEAP</li> <li>▪ WPA-PSK / TKIP / AES Security</li> <li>▪ WPA2-PSK/AES/TKIP</li> <li>▪ LEAP / CCx V1.0</li> </ul>
<b>Operating Systems Supported</b>	WinCE4.2/5.0 and Linux
<b>Dimension</b>	56.4mm(L) x 42.8mm (W) x 3.3mm(H)
<b>Storage Temperature Range</b>	-20°C ~ 80°C
<b>Operation Temperature Range</b>	0°C ~ 60°C
<b>Operating Humidity Range</b>	5% ~ 90%
<b>Environment-Friendly Compliance</b>	RoHS

<b>Ordering Information:</b>	
<b>DRCB-M1</b>	<b>802.11b/g wifi CF module, RoHS compliance.</b>



**Unex Technology Corp.**  
- Durable Bridge to Wireless

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