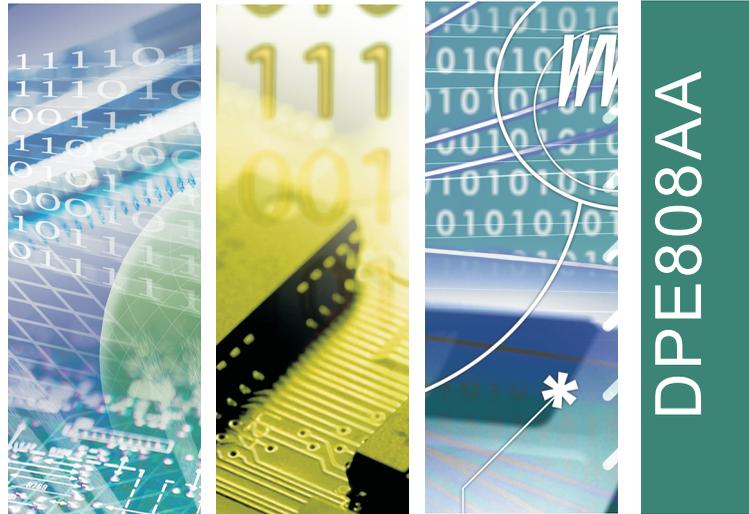




DPE808AA

802.11b/g/n WiFi with BT4.0 Combo miniPCle Card



Cost-Effective Radio Solution of WiFi and Bluetooth.

Introduction of Products

Taijet Bointec DPE808-AA is the combo solutions of WLAN 802.11 b/g/n and Bluetooth 4.0 solutions. DPE808-AA truly provide great advantages such as cost effective solutions, the lower power consumption, small size based on the half miniPCIe card, the wide temperature tolerance and several significant EMC certificates according to different areas. Therefore, customers can use these benefits in order to add or create more value on their current and future product line. Regarding the communication, DPE808AA support IEEE 802.11 b/g/n so as to achieve the max throughput 150Mbps or 300Mbps based on optional 2T2R scheme. Besides, it can achieve Bluetooth 4.0 standard with single mode feature. Considering the applications, Taijet Bointec DPE808AA can truly fulfill the current markets such as industrial field, automobile and commercial field. Especially, it can meet requirement of the IPC, semi-rugged or consumer products due to the great tolerance of temperature. Additionally, Taijet Bointec can provide the full support of DPE808AA including the hardware and software. Thus, it is definitely easy for all our clients to deploy and use the DPE808AA according to our quick guide.

Product Highlight

- IEEE802.11 b/g/n compliant 2.4GHz.
- Bluetooth 4.0
- miniPCI Express half card based Mini-1.1 compliant
- Cost-Effective Solution
- Low Power Consumption
- Wide Temperature Tolerance
- Support Windows 2K, XP or Vista (TBD)
- RoHS compliant
- Several EMC Certificates according to different areas



DPE808AA 802.11b/g/n WiFi with BT4.0 Combo miniPCle Card

Specification:

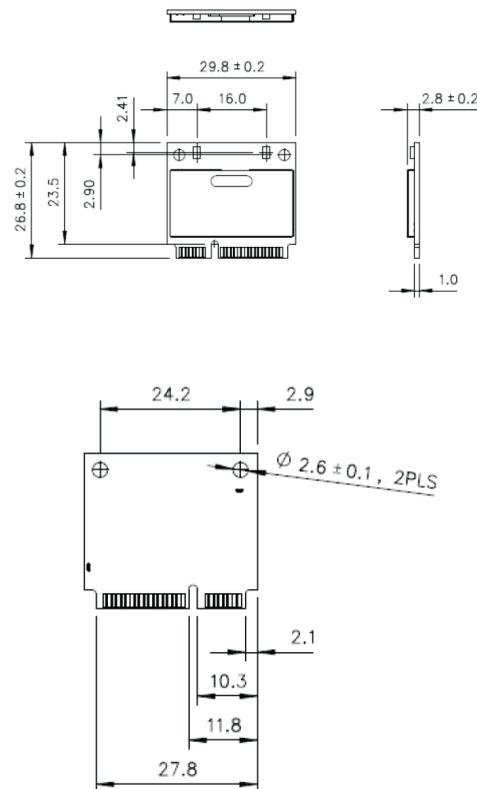
Feature	Specification	Notes								
Interface										
Interfaces	PCI Express® Mini Card Electromechanical Specification Revision 1.2									
WiFi										
Standard	IEEE 802.11 b/g/n									
Frequency Range	<ul style="list-style-type: none"> ● USA: 2.400 ~ 2.483GHz ● Europe: 2.400 ~ 2.483GHz ● Japan: 2.400 ~ 2.497GHz ● China: 2.400 ~ 2.483GHz 									
Bandwidth	HT20 and HT40									
WiFi Alliance	WECA Compliant									
Antenna	One IPEX connector (1T1R) Option: Two IPEX connectors (2T2R)	U.FL-R-SMT								
Security	64-bit, 128-bit, 152-bit WEP Encryption 802.1x Authentication AES-CCM and TKIP Encryption									
Bluetooth 4.0 (Low Energy)										
Compliance	Bluetooth v4.0									
Frequency Range	2400~2483.5 MHz									
Sensitivity	-85 dBm (typ.) for pi/4-DQPSK, 0.1%BER									
Dimension										
PCB Dimension	26.65+/-0.15mm x 29.85+/-0.15mm x 1.0+/-0.1mm 2L FR4									
Power and Consumption										
Operation Voltage	3.3V +/- 9%									
WiFi Power Consumption@ 25 °C	<table border="0"> <tr> <td></td> <td>802.11n (2.4GHz)</td> </tr> <tr> <td></td> <td>Avg/Max (mA)</td> </tr> <tr> <td>● FTP Tx</td> <td>266/ 410</td> </tr> <tr> <td>● AP scanning, no association with AP</td> <td>204/ 408</td> </tr> </table> <p>◆ The maximum current consumption would be impacted by radiation environment and the driver mechanism</p>		802.11n (2.4GHz)		Avg/Max (mA)	● FTP Tx	266/ 410	● AP scanning, no association with AP	204/ 408	
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	Avg (mA)									
● Idle mode	15.1									
● Continuous DH5 TX	68.8									
Operational Temperature										
Operation Temperature	0~60 °C									
Storage Temperature	-20~80 °C									
Certificate										
FCC	FCC part 15 (USA)									
IC	RSS210 (Canada)									
TELEC	TELEC (Japan)									
ETSI	EN301893 and EN60950 (Europe)									
VCCI	VCCI Class B									

Order Information:

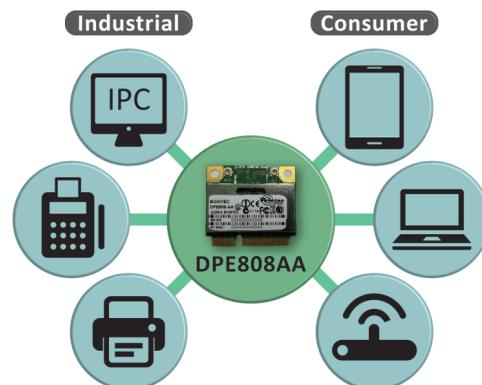
Taijete Bointec DPE808AA	Description
DPE808AA DK Package	<ol style="list-style-type: none"> 1. One DPE808AA Entity 2. Two 2.4GHz External Antenna 3. Two antenna cable 4. CD(including user specification and driver)
DPE808AA Entity	One DPE808AA Entity

ME Drawing/placement

PCB Dimension



Applications



Bointec Authorized Distributer



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