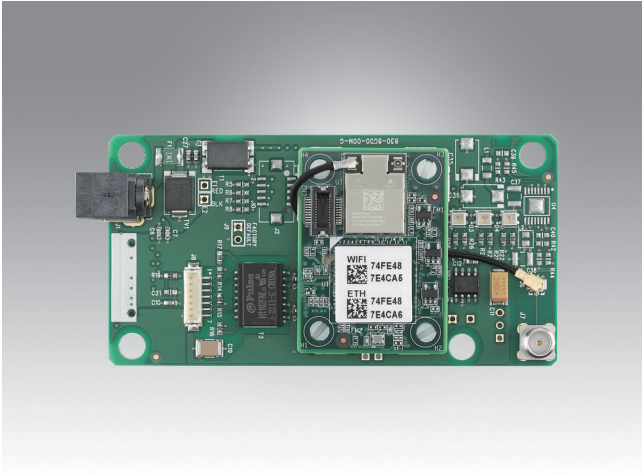


ABDNA-ER-DP553

Wi-Fi Dual Band Enterprise Ethernet Bridge/Router, Carrier Board



Features

- 10/100 Mbps to 802.11a/b/g/n dual band (2.4 GHz, 5 GHz)
- Advanced Enterprise Class wireless security (WPA2-Enterprise, WPA, WEP, EAP)
- Wide operating temperature range: -20 to +80 °C
- OEM open board, industrial design
- Antenna, Ethernet Cable, 5V_{DC} power supply, USA power cord included

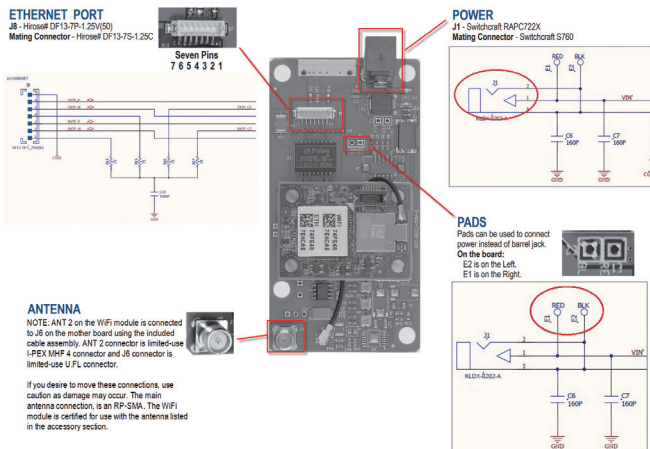
Introduction

ABDNA Enterprise Wi-Fi boards are built for networking equipment in an array of machine to machine (M2M) applications. The small compact form factor makes it easy and cost-effective to integrate into your solution.

Specifications

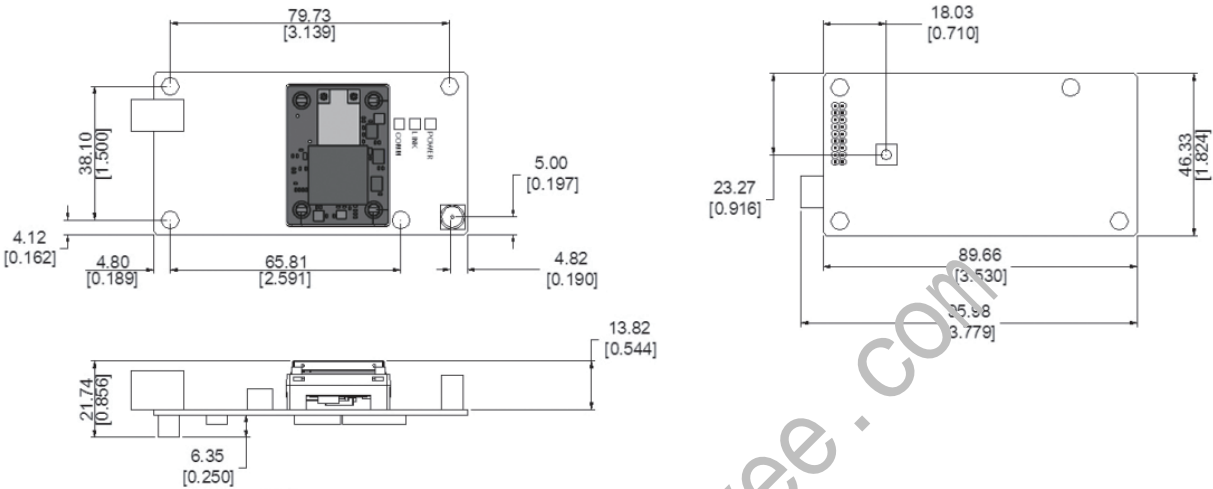
Ethernet Communications	
Speed	10/100 Ethernet Port – Bridge, Router (NAT3) Modes
Wireless LAN Communications	
Compatibility	IEEE 802.11a/b/g/n, Wi-Fi compliant
Antenna	Integrated RP-SMA Omni-directional 2dBi 2.4/5 GHz Antenna
Network Access Modes	Infrastructure (Client)
Security Protocols	Disabled, WEP 64 & 128 bit, WPA (TKIP), WPA (AES), WPA2 (AES), 802.1x (EAP) Supplicant 802.11i, WPA & Wi-Fi Enterprise supplicants (EAP-TLS, EAP-TTLS(MSCHAPv2), EAPTTLS (MDS5), EAP-PEAPv0 (MSCHAPv2, LEAP), EAP-FST, LEAP) Supports Certificates and Private Key Upload and Storage (multiple)

Frequency	2412MHz-2483.5MHz (US/Canada/Europe) 5150-5725MHz (US/Canada/Europe) 5745-5825 MHz (US/Canada)
Wireless Data Rate	802.11b: 1, 2, 5.5, 11Mbps 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: up to 150Mbps-single
Output Power	WLAN 2.4GHz 11b: 15dBm +/- 1.5dB 11g: 15dBm +/- 1.5dB 11n BW20: 15dBm +/- 1.5dB 11n BW40: 14.5dBm +/- 1.5dB WLAN 5GHz 11a: 13dBm +/- 2dB 11n BW20: 13dBm +/- 2dB 11n BW40: 12dBm +/- 2dB
Receive Sensitivity	WLAN 2.4GHz 11b 11M: -88dBm 11g 54M: -75dBm 11n MCS7 BW20: -72dBm 11n MCS7 BW40: -69dBm WLAN 5GHz 11a 54M: -72dBm 11n MCS7 BW20: -69dBm 11n MCS7 BW40: -68dBm
LED Indicators	3 LED Indicators (Power, LINK, COMM)
Power Requirements	
Power Supply	5.0V DC (included)
Environment	
Operating Temperature	-20 to +85 °C
Storage Temperature	-40 to +85 °C
Operating Humidity	10 – 95% (non-condensing)
Regulatory Approval	
Certificate	EMC CE, FCC part 15 subpart B



Dimensions

Unit: mm [in]



Order Information

Model Number	Description	Ethernet Connector	Powering
ABDNA-ER-DP553	Ethernet Bridge/Router	RJ45	5V _{dc} power supply

- * Included with product:
- BB-PS-SDS - 5Vdc, 3A, 15W Power Supply with US power cord
- BB-ACH0-CA-DP003-G – Ethernet Cable, RJ-45 to Hirose Connector
- BB-ACH2-DBAT-DP002 – 2 DBi, 2.4/5 GHz antenna, rubber duck, RP-SMA