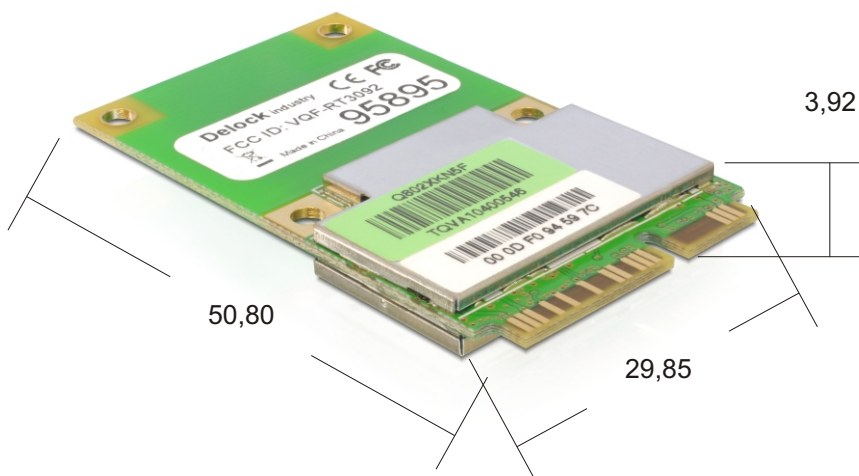


# Specification

## 95895

Delock industry mini PCI Express WLAN 2T2R 300 Mbps full-size

EAN: 4043919958955



date: 25.05.2009

# Specification

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Delock industry mini PCI Express WLAN 2T2R 300 Mbps full-size

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# Specification

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### Device Overall Description

The 95895 is designed to provide wireless LAN function on a small form factor with PCI Express interface. The wireless LAN function is based on Ralink RT3092 MAC/BBP/Transceiver and high gain power amplifier, fully complies with current IEEE 802.11n and IEEE 802.11 b/g standards.

### Features

- Ralink RT3092 MAC/BBP/transceiver
- 2T2R Modes
- 11b: 1,2,5.5,11Mbps
- 11g: 6,9,12,18,24,36,48,54Mbps
- 11n(20MHz): MCS0-15 support(up to 150MBps)
- 11n(40MHz): MCS0-15 support(up to 300MBps)
- Reverse Direction Grant Data Flow and Frame Aggregation
- WEP 64/128, WPA, TKIP, AES
- Qos-WMM, WMM-PS
- WPS, PIN, PBC
- Multiple BSSID support
- International regulation-802.11d+h
- Low Power with Advanced Power Management
- Cisco CCX support up to v5.0
- PCI Express 1.1



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### Channel assignment

Channel	Channel frequency	FCC (US)	IC (CA)	ETSI (EU)	Japan JP)
1	2412 Mhz	x	x	x	x
2	2417 Mhz	x	x	x	x
3	2422 Mhz	x	x	x	x
4	2427 Mhz	x	x	x	x
5	2432 Mhz	x	x	x	x
6	2437 Mhz	x	x	x	x
7	2442 Mhz	x	x	x	x
8	2447 Mhz	x	x	x	x
9	2452 Mhz	x	x	x	x
10	2457 Mhz	x	x	x	x
11	2462 Mhz	x	x	x	x
12	2467 Mhz			x	x
13	2472 Mhz			x	x
14	2484 Mhz				x

### KEY:

US = United States, CA = Canada, EU = European Countries (except France and Spain) JP = Japan  
 Many countries and region are currently revising the channel assignment.  
 X = Supported

### Security

- Complete Security Features - WEP 64/128, WPA, WPA2, 802.1x, and 802.11i
- Cisco CCx Compliant

### Certification

- Microsoft WHQL
- Wi-Fi Certification: 802.11 b/g/n, WPA, WPA2, WMM, WMM-PS

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### RF characteristics

RF Characteristics	Minimum	Typical	Maximum	Units
PC Interface mechanical	Mini PCI Express			
Internal Antenna Impedance		50		ohms
Operating Temperature Range	0		65	°C
Storage Temperature Range	-20		85	°C
Supply Voltage	3.0	3,3	3,6	V
RX Supply Current (11b 11Mbps)		220	208	mA
Power Consumption		726	0.6864	mWatts
RX Supply Current (11g 54Mbps)		235	223	mA
Power Consumption		775	0.7359	mWatts
RX Supply Current (11n 300Mbps)		325	262	mA
Power Consumption		1072	0.8646	mWatts
TX Supply Current (11b 1Mbps)		360	304	mA
Power Consumption		1188	10.032	mWatts
TX Supply Current (11g 6Mbps)		420	273	mA
Power Consumption		1386	0.9009	mWatts
TX Supply Current (11n 15Mbps)		400	254	mA
Power Consumption		1320	0.8382	mWatts
Radio off Current		10	68	mA
Power Consumption		33	0.2244	mWatts
RX Sensitivity(11b,11Mbps)		-88		dBm
RX Sensitivity(11g,54Mbps)		-73		dBm
RX Sensitivity(11n,300Mbps)		-66		dBm
TX Output Power(11b,11M)		17,5		dBm
TX Output Power(11g,54Mbps)		14		dBm
TX Output Power(11n,MCS0)		17,5		dBm
TX Output Power(11n,MCS15)		14		dBm
TX Spectral Mask (CCK)		PASS		
TX Spectral Mask (OFDM)		PASS		
TX Spectral Mask (11n,20M)		PASS		
TX Spectral Mask (11n,40M)		PASS		
Preamble Length		Long/Short		

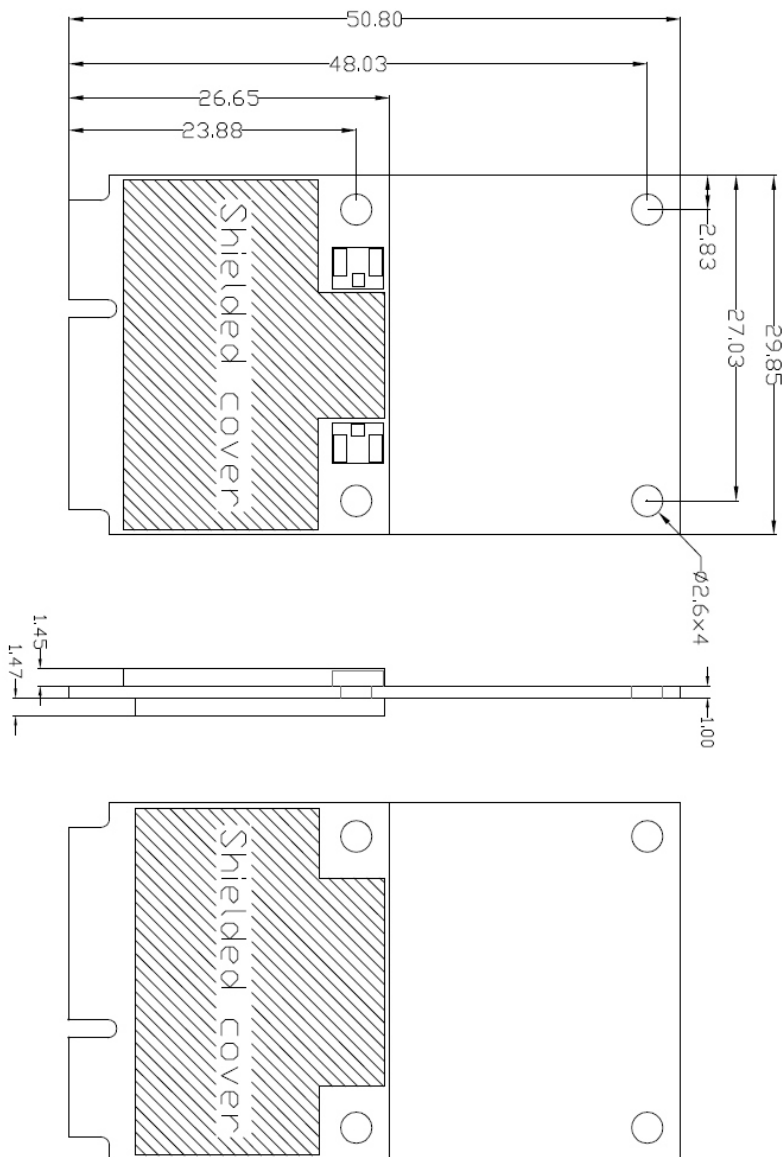


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# Specification

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### Antenna connector

Connector	Vendor	Part#
Antenna x2	I-PEX, Hirose	CL331-0471-0-10 (U.FL.-R-SMT) or compliance

### Operating conditions

Voltage Range	3.3V +-0.3V
Operating Temperature Range	0°C - 65°C
Storage Temperature Range	-20°C - 85°C
Relative Humidity during Operating	Max. 95% (Non-Condensing)
Relative Humidity during Storage	Max. 95% (Non-Condensing)

### LED status:

LED status	WLAN card activity
on	associated and authenticated but not transmitting or receiving
slow blink	scanning for AP
intermittent blink	activity proportional to transmitting/receiving speed
off	radio off

### Software & OS support

Operating System	Driver
Windows 2000	Available
Windows XP 32/64	Available
Windows Vista 32/64	Available
Windows 7 32/64	Available
WinCE 5.0 & 6.0	Available
Linux 2.4.x / 2.6.x	Available
MAC OS	Available