

Mounting Instruction

MOVIPRO

Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

1. Mounting of 1st WLAN Card (WLAN1 mandatory)

Used Material:

PartNo.	Qty.	Designation
1824 0461	1	REC5 IP5K BASE prg.
1813 0569	1	Thermal Pad WLAN
1796 6167	1	WLAN-Karte #MPCI-DCMA-82-MMCX

Used Tools:

no

Production Step: !!!the device must be powered off before mounting the card(s)!!!

- Bond 1x " Thermal Pad WLAN " in left red marked area of WLAN1 interface
- Attach the WLAN card in parallel to the MiniPCI Slot (WLAN1) in an angel of about 25°
Take care of the WLAN card Slot!
- Insert the WLAN card completely in the MiniPCI Slot (WLAN1)
- Press WLAN card at the pressure points down. The latches of the MiniPCI connector must close with a hearable click. Both latches must be closed completely now!

Drawings:

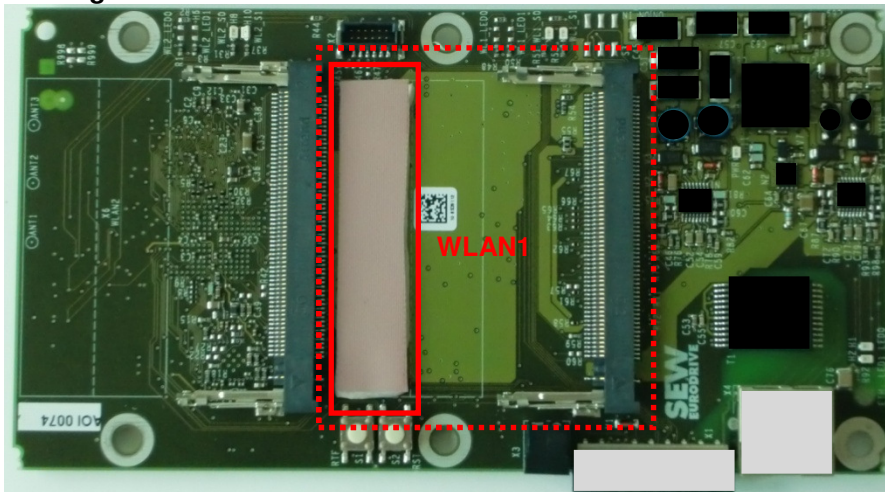


Figure 1 - Device with Thermal Pad

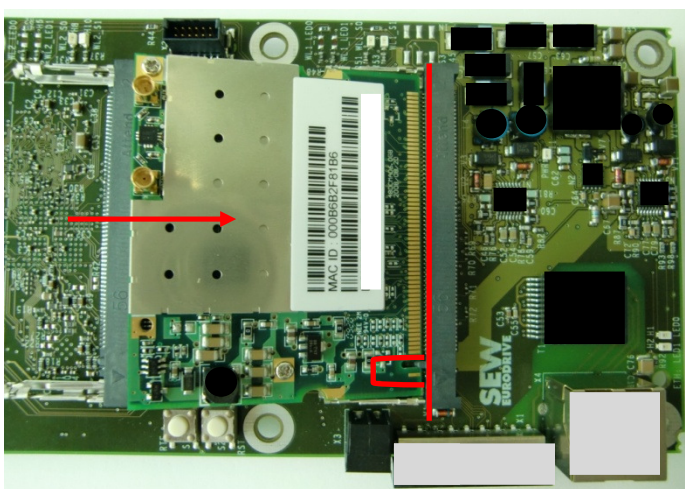


Figure 2 - Attach WLAN card in parallel to MiniPCI Slot

Mounting Instruction

MOVIPRO

Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

Drawings:

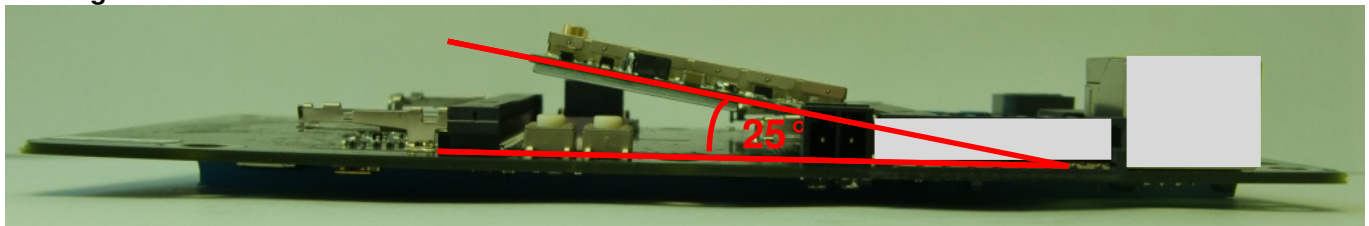


Figure 3 - WLAN card with 25° angle

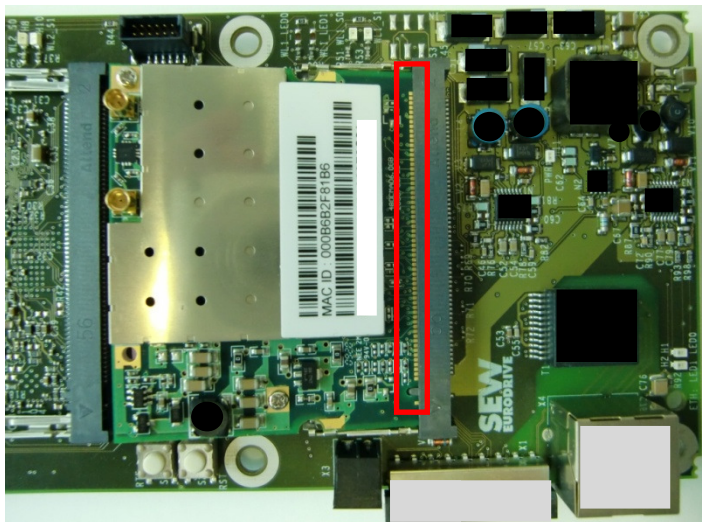


Figure 4 - Insert WLAN card completely

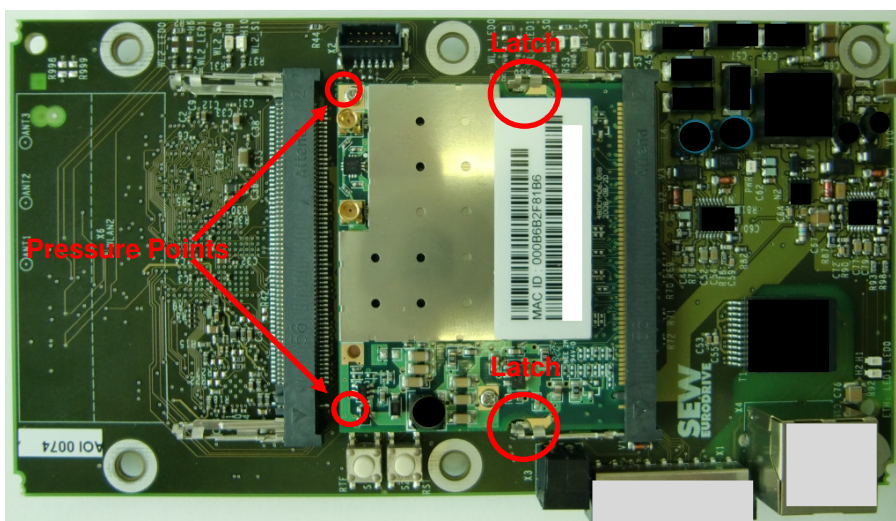


Figure 5 - Press WLAN card down

Mounting Instruction

MOVIPRO

Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

2. Mounting of 2nd WLAN Card (WLAN2 optional)

Used Material:

Requirement: Mounting of 1st WLAN card is done (1)

PartNo.	Qty.	Designation
1813 0569	1	Thermal Pad WLAN
1796 6167	1	WLAN-Karte #MPCI-DCMA-82-MMCX

Used Tools:

no

Production Step: **!!!the device must be powered off before mounting the card(s)!!!**

- a) Bond 1x " Thermal Pad WLAN " in left red marked area of WLAN2 interface
- b) Attach the WLAN card in parallel to the MiniPCI Slot (WLAN2) in an angel of about 25°
Take care of the WLAN card Slot!
- c) Insert the WLAN card completely in the MiniPCI Slot (WLAN2)
Press the WLAN card at the pressure points down. The latches of the MiniPCI connector must close with a hearable click. Both latches must be closed completely now!

Drawings:

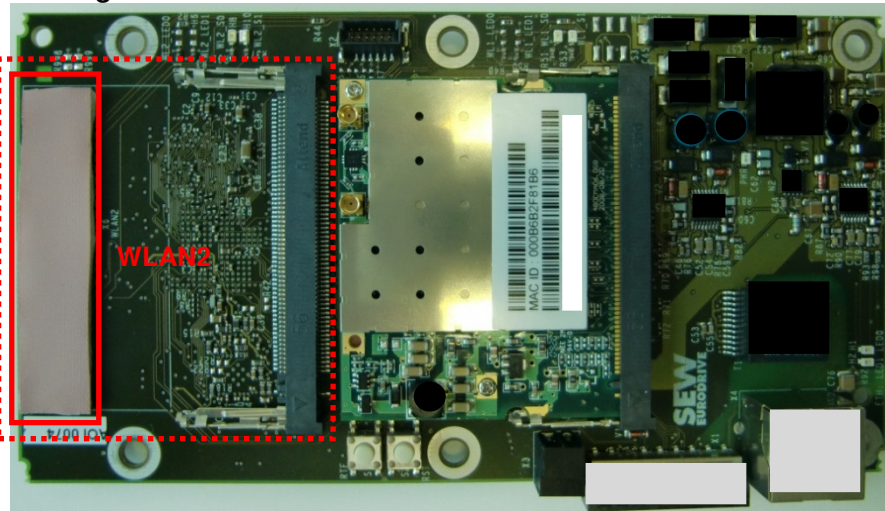


Figure 6 - Device with Thermal Pad

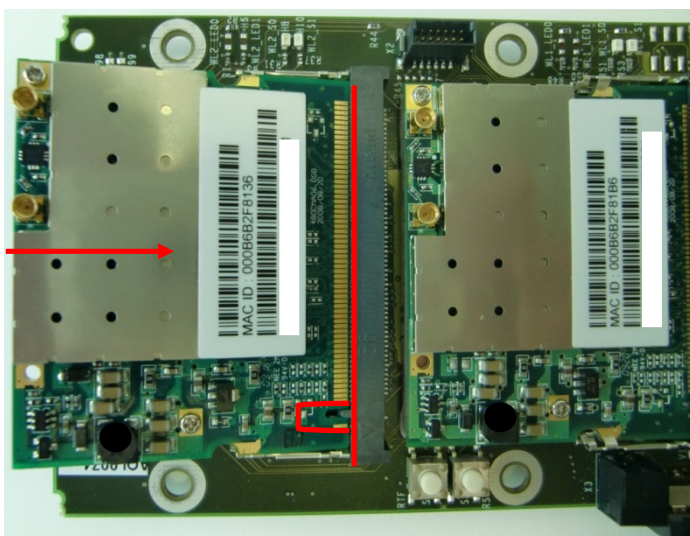


Figure 7 - Attach WLAN card in parallel to MiniPCI Slot

Mounting Instruction

MOVIPRO

Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

Drawings:

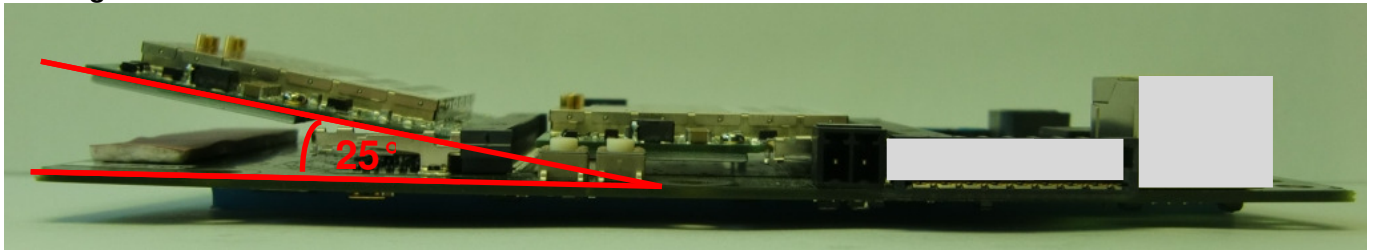


Figure 8 - WLAN card with 25° angle

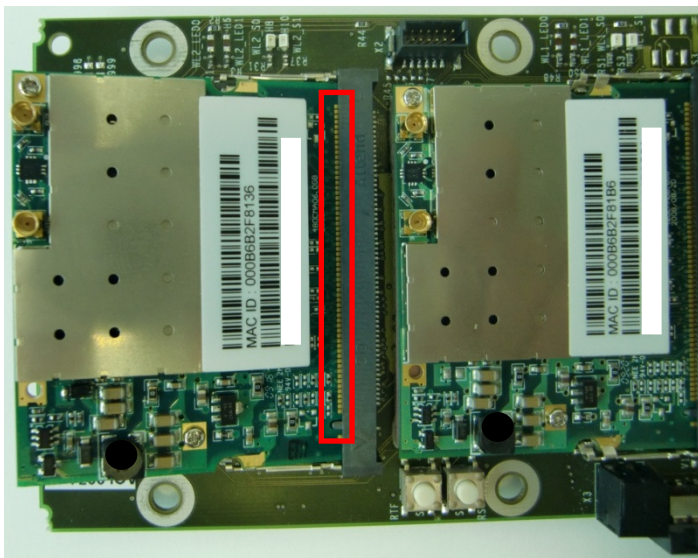


Figure 9 - Insert WLAN card completely

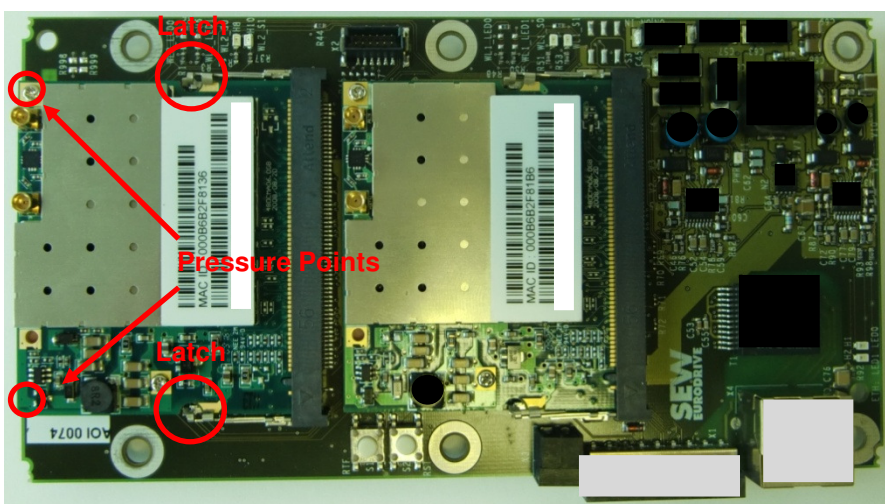


Figure 10 - Press WLAN card down

Mounting Instruction

MOVIPRO

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3. Mounting of Thermal Gap Pad (back)

Used Material:

PartNo.	Qty.	Designation
K0043742	1	Mounting Plate
	1	Mounted device from step (1) or (2)
1173 5139.10	1	Thermal Pad 45x22x5mm

Used Tools:

no

Production Step: !!!the device must be powered off before mounting the thermal pad!!!

- Place 1x Thermal Pad in red marked area of device (area below the quartz crystal)
- Screw the device with 4 screws M4 (0,6Nm-0,8Nm) to the mounting plate.
- Mount the WLAN latch with 2 screws M4 (0,6-0,8Nm)

Drawings:

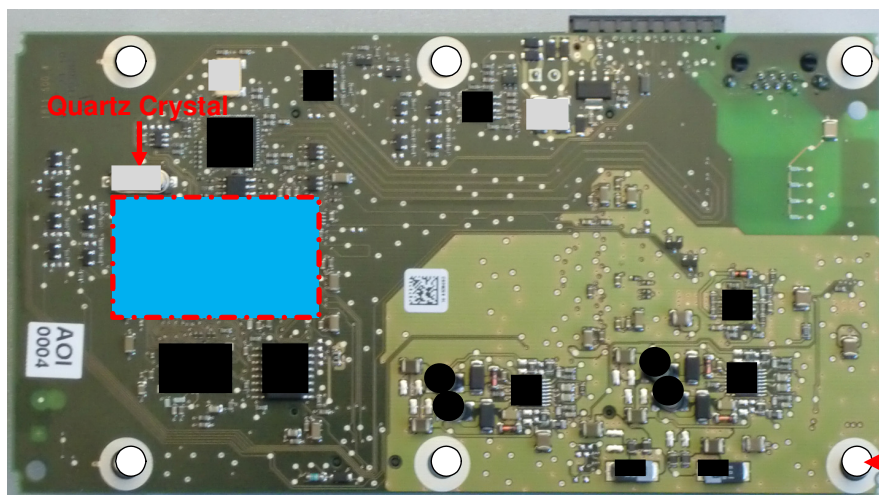


Figure 11 - Thermal Pad

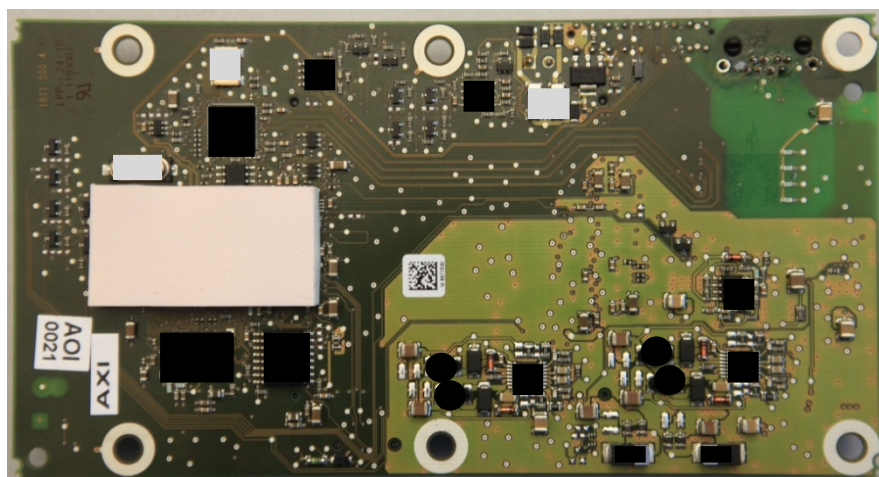


Figure 12 - Thermal Pad

Mounting Instruction

MOVIPRO

Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

4. Mounting Plate 1

Used Material:

PartNo.	Qty.	Designation
K0043742	1	Mounting Plate
	1	Mounted device from step (1) or (2) and (3)
1812 8769	1	Mounting Latch WLAN card
0012 6454	6	Clamping Screw W4053 M4x8...

Used Tools:

Screw Driver PH1

Production Step: !!!the device must be powered off before mounting!!!

- d) Screw the device with 2 screws M4 (0,6Nm-0,8Nm) to the mounting plate.
- e) Mount the WLAN latch with 4 screws M4 (0,6-0,8Nm)

Drawings:



Figure 13 - Device with 2 screws fixed

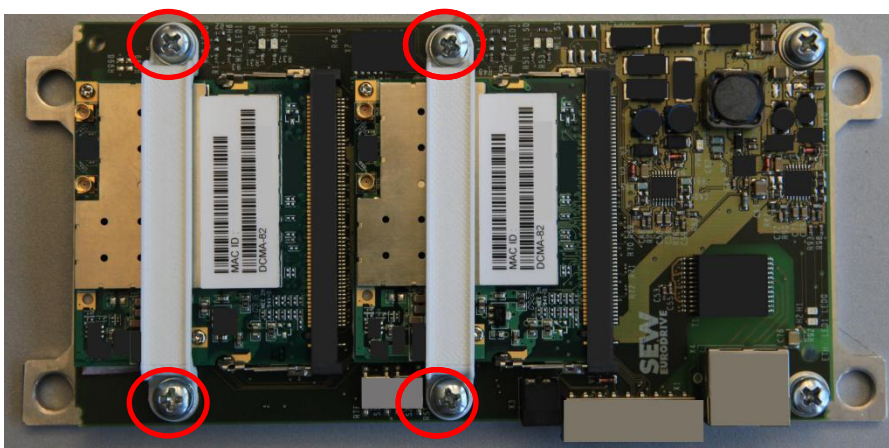


Figure 14 - Mount the mounting latch with 4 screws

Mounting Instruction

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Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

5. Mounting Antenna Cable

Used Material:

PartNo.	Qty.	Designation
xxxx xxxx		Cable RG316 MMCX <-> R-TNC
...		
...		

Used Tools:

no

Production Step: **!!!the device must be powered off before connecting the antenna!!!**

- Connect the MMCX connectors to to the suitable receptacles at the wlan device:
X4211, X4211_1 (PHC): WLAN1-Antenna (Main)
X4261, X4261_1 (PHC) WLAN1-Antenna (Aux)

X4211_2 (PHC): WLAN2-Antenna (Main)
X4261_2 (PHC) WLAN2-Antenna (Aux)
- connect the MMCX with an angle of 90° Winkel and a max. connection force of 18N to the MMCX receptacle of the wlan module. The connector must connect with an hearable click.

Drawings:

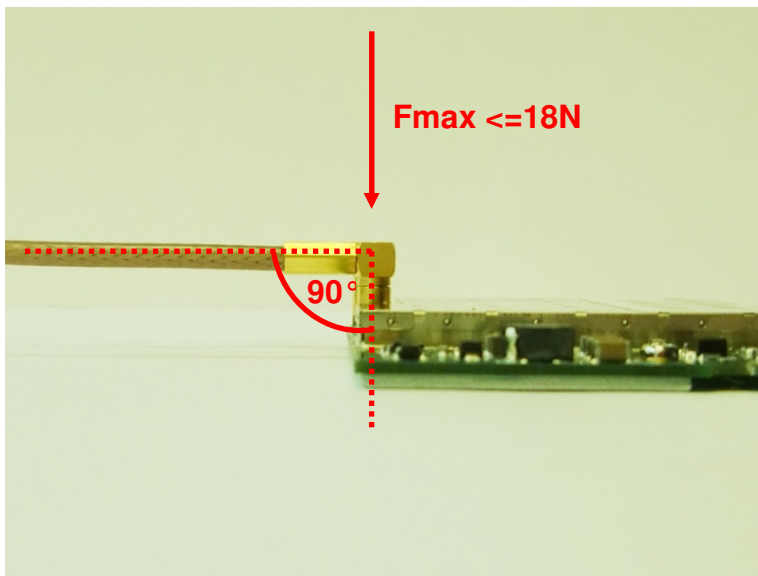


Figure 15: - Mounting Antenna Cable

Additional Documentation

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Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

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DE Page 1/3

FK-FN 08.12.10

USA/ Canada

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Antenna:

The end-user product will be professionally installed in such a manner that only the authorized antennas are used.

Caution:

Changes or modifications not expressly approved by SEW-Eurodrive void the user's authority to operate the equipment.

SEW-EURODRIVE GmbH & Co KG

1 796 616 7 WLAN-Karte #MPCI-DCMA-82-MMCX

FCC ID: VEB-NKRDCMA82

IC: 7177A-DCMA82

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Additional Documentation

MOVIPRO

Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

SEW
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DE Page 2/3

FK-FN 08.12.10

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This device has been designed to operate with an antenna having a maximum gain of 6.0dBi. Having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the Chapter 8: Regulatory information 8.4:

Safety general population; consult Safety Code 6, obtainable from Health Canada's website:

<http://www.hc-sc.gc.ca/rpb>

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Additional Documentation

MOVIPRO

Option: 1796 6167 WLAN-Karte #MPCI-DCMA-82-MMCX

SEW
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DE Page 3/3

FK-FN 08.12.10

Label for Terminal Equipment

his device contains FCC ID: *VEB-NKRDCMA82*
his device contains IC: *7177A-DCMA82*