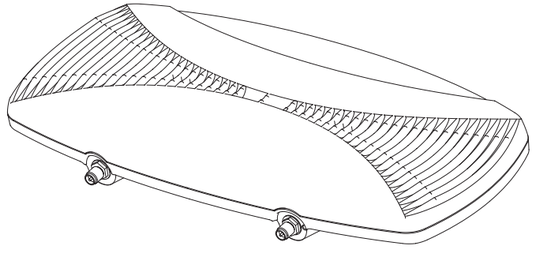
AP 200
802.11a/b Access Port
Quick Reference Guide



www.symbol.com

Patents
This product is covered by one or more of the following U.S. and foreign Patents:
U.S. Patent No.
4,460,120; 4,496,831; 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095; 4,758,717; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281; 4,933,538; 4,992,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461; 5,113,445; 5,130,520; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149; 5,180,904; 5,216,232; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791; 5,250,792; 5,260,553; 5,262,627; 5,262,628; 5,266,787; 5,278,398; 5,280,162; 5,280,163; 5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,306,900; 5,321,246; 5,324,924; 5,337,361; 5,367,151; 5,373,148; 5,378,882; 5,396,053; 5,396,055; 5,399,846; 5,408,081; 5,410,139; 5,410,140; 5,412,198; 5,418,812; 5,420,411; 5,436,440; 5,444,231; 5,449,891; 5,449,893; 5,468,949; 5,471,042; 5,478,998; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,519,577; 5,528,621; 5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,557,093; 5,578,810; 5,581,070; 5,589,679; 5,589,680; 5,608,202; 5,612,531; 5,619,028; 5,627,359; 5,637,852; 5,664,229; 5,668,803; 5,675,139; 5,693,929; 5,698,835; 5,705,800; 5,714,746; 5,723,851; 5,734,152; 5,734,153; 5,742,043; 5,745,794; 5,754,587; 5,762,516; 5,763,863; 5,767,500; 5,789,728; 5,789,731; 5,808,287; 5,811,785; 5,811,787; 5,815,811; 5,821,519; 5,821,520; 5,823,812; 5,828,050; 5,850,078; 5,861,615; 5,874,720; 5,875,415; 5,900,617; 5,902,989; 5,907,146; 5,912,450; 5,914,478; 5,917,173; 5,920,059; 5,923,025; 5,929,420; 5,945,658; 5,945,659; 5,946,194; 5,959,285; 6,002,918; 6,021,947; 6,047,892; 6,050,491; 6,053,413; 6,056,200; 6,065,678; 6,067,297; 6,068,190; 6,082,621; 6,084,528; 6,088,482; 6,092,725; 6,101,483; 6,102,293; 6,104,620; 6,114,712; 6,115,678; 6,119,944; 6,123,265; 6,131,814; 6,138,180; 6,142,379; D305,885; D341,584; D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124; D391,250; D405,077; D406,581; D414,171; D414,172; D418,500; D419,548; D423,468; D424,035; D430,158; D430,159; D431,562
Invention No. 55,358; 62,539; 69,060; 69,187 (Taiwan); No. 1,601,796; 1,907,875; 1,955,269 (Japan); European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832; France 81/0938; Italy 1,138,713
3/02

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72E-61069-01
Rev.A

Introduction
The AP 200 Access Port provides 802.11a/b coverage to wireless network devices. The AP 200 includes different placement options for optimal performance.

The standard mounting bracket allows the unit to be secured to a wall by the use of two screws and wall anchors (included, use if needed). Use the mounting bracket as a template for marking the location of the mounting holes. The above/below ceiling and wall mounting options allow the unit to attach to the specified surfaces using only the mounting hardware provided. The AP 200 receives power and transfers data through the same cable (use CAT-5 or above Ethernet without any strain relief) or through a Symbol approved power supply connected to the AP 200 power connector.

Technical Specifications

Operating Voltage	48VDC (typical) 36VDC to 57VDC (range)
Operating Current	10mA to 150mA
Peak Current	250mA
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Operating Humidity	5% to 85% non-condensing
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Humidity	85%
Altitude	2438m (8,000ft.) (operating max) 4572m (15,000ft.) (storage max)
Drop: No antenna modules)	91cm (36in.) to concrete
With antenna modules	76cm (30in.) to concrete
Electrostatic Discharge	+/-15kV (air discharge); +/-8kV (contact discharge); +/-2kV (pin discharge)

Dimensions & Weight

AP 200 802.11a external antenna connectors	25.4cm L x 12.7cm W x 3.18cm H (10in. L x 5in. W x 1.25in. H) 0.77kg (1.7lbs)
AP 200 802.11a/b external antenna connectors	25.4cm L x 15.24cm W x 3.18cm H (10in. L x 6in. W x 1.25in. H) 0.86kg (1.9lbs.)
AP 200 802.11a/b internal antennas	25.4cm L x 17.78cm W x 3.81cm H (10in. L x 7in. W x 1.5in. H) 1.00kg (2.2lbs.)

Radio Characteristics
The AP 200 is an IEEE 802.11a/b compliant device when configured with the appropriate radio option.

As an IEEE 802.11a device it supports 6, 9, 12, 18, 24, 36, 48 and 54Mbps data rates, utilizing transmit-only diversity, in the 5.15GHz to 5.825GHz range.

As an IEEE 802.11b device it supports 1.0, 2.0, 5.5 and 11.0Mbps data rates, utilizing transmit and receive diversity, in the 2.4GHz to 2.5GHz ISM radio band.

Description
The AP 200 Access Port is available as an 802.11a or 802.11a/b radio configuration. Configurations include internal or external antenna modules. External antennas are separate purchasable options (see add-on options addendum, Part Number 72-61070-01, for installation of options). Verify model number on the purchase order matches the packing list model number and the device model number in the box. The AP 200 supports Symbol and any 802.3af compatible Power-Over-Ethernet (POE) switch. The AP 200 has two RJ-45 connectors (10/100 Ethernet ports) and a power connector located on the 5.2GHz antenna side. The LAN port (Local Area Network) connects to the WS 5000 Wireless Switch and the ACC (accessory port) connects to the LAN port of a daisy-chained end device. Both Ethernet ports use a straight through, CAT- 5 or above Ethernet cable (customer provided) without any strain relief. Located adjacent to the RJ-45 connectors is the 48VDC power connector.

Warning: The AP 200 Ethernet ACC port contains 48 VDC on pins 4,5 and 7,8.

The AP 200 is powered by a Power Injector via an Ethernet cable or from a Symbol approved power supply. It supports the following Symbol-branded Power Injector device and power supplies.

- Model 50-24000-049 48VDC power supply
- Model 50-24000-051 48VDC power supply
- Model AP-PSBIAS-T-12-AF Power Injector 12 Port

See Symbol Website for Available POE devices.

Use power supply Model 50-24000-049 with the AP 200 to provide power to similar 802.11a/b devices via CAT-5 Ethernet cable or above. To provide power to converted legacy Access Points use an Ethernet Power Converter Box (AP-PCNV-4818) in addition to power supply Model 50-24000-049.

Review installation plans to determine device placement and cable routing.

The AP 200 Access Port provides POE via the ACC port for:

- AP 200 Access Ports
- AP-100 Access Ports
- AP-4121 Direct Sequence Access Points (requires a power converter)
- AP-3021 Frequency Hopping Access Point (requires a power converter)

LED Indicators
The top panel LED activity indicator (viewable via light pipe when installed above a ceiling) provides a status display indicating error conditions, transmission and network activity for 802.11 a/b (if applicable).

802.11a Activity LED Amber

Booting	LED flashes three times per second until firmware is loaded.
Normal	LED is on steady unless there is radio traffic and then it flashes with the radio traffic.
Error	LED flashes once per second if an error prevents the radio from operating normally.

802.11b Activity LED Blue

Note: LED activity applies only when 802.11b radio is installed.

Booting	LED is off.
Normal	LED is on steady unless there is radio traffic and then it flashes with the radio traffic.
Error	LED flashes once per second if there is an error that prevents the unit from operating normally.

Mounting Hardware
Mounting hardware is provided for the following installations.

- Horizontal or vertical flat surfaces (such as desktops, walls or ceilings)
- Plenum rated
- Below ceiling configurations

Note: Suspended ceiling notes or warnings apply to all installations where the unit is mounted directly (above or below) to the suspended ceiling tile. The AP 200 comes with a safety wire tie point. The safety wire is customer supplied.

Caution! Symbol does not recommend mounting the AP 200 directly to any suspended ceiling tile with a thickness less than 1/2in. or a suspended ceiling tile with an unsupported span greater than 26in. Symbol recommends that the AP 200 be fitted with a customer supplied safety cable suitable for the specific installation.

The safety cable should be steel at least .06in. - .10in. in diameter. Use a cable similar to the one used in a suspended ceiling installation.

Included mounting hardware is identical for all AP 200 configurations. Verify that the contents of the box includes the correct AP 200 purchased and mounting hardware:

Item	Notes
WSAP-5030-100-WW	802.11a with external radio RSMA antenna connectors (antenna is a separate purchasable item).
WSAP-5030-200-WW	802.11a/b configuration external RSMA (.11a radio), RBNC (.11b radio) antenna connectors (antenna is a separate purchasable item).
WSAP-5030-210-WW	802.11a/b configuration internal antennas.

Mounting Hardware for Desk or Wall

Rubber Feet (4)	Apply to bottom of AP 200 only on desk mounted installations
Metal Mounting Bracket	Below ceiling and wall bracket are the same. Bracket is packaged with the AP 200.
# 8 Wall Screws (2)	Phillips Pan Head self-tapping for use with provided anchors (if needed).
# 8 Wall Anchors (2)	For plaster or wallboard installations.

Note: The AP 200 comes with a lock port for attaching a security cable.

Mounting Hardware for Ceiling

Metal Mounting Bracket	Same as wall bracket. Bracket is packaged with the AP 200.
T-bar Clips (2)	Below ceiling installations only. Includes two clip sections, carriage bolt and wing nut for each T-bar clip.
Plastic Mounting Bracket	Above ceiling installations only. Bracket is packaged with the AP 200.
# 8 Nuts (2)	For use with above ceiling installation
# 8 Machine Screws (2)	For use with ceiling installation
# 8 Washers (4)	For use with ceiling installation
Extended Light Pipe	For use with above ceiling installation
Light Pipe Decal	For use with above ceiling installation

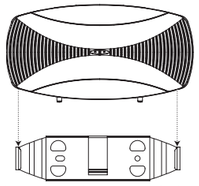
Note: Review Site survey and network analysis reports to determine the location and mounting hardware required for AP 200 installation.

Surface Mounting
The AP 200 mounts to most vertical or horizontal surfaces using the surface mounting hardware provided. Use the mounting bracket as a template to determine the proper placement for the unit and the mounting screws.

Note: Use the provided rubber feet only for desk mount installations. The provided screws and anchors are for plaster wallboard installation. If mounting the AP 200 to something other than plaster wallboard ensure the appropriate size, length and screw types are used (must be customer supplied).

Use CAT- 5 or above Ethernet cable without molded or integrated strain relief on the connector that interfaces with an AP 200. If an AP 200 is daisy chained, connect the Ethernet cable from the ACC port to the daisy chained device. In a daisy chain configuration, use of power supply Model 50-24000-49 is required on the first device.

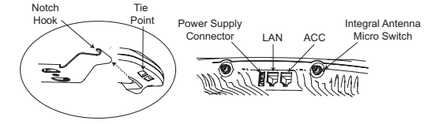
Wall Mounting



1. Use the metal mounting bracket as a template to move the locations of the mounting screws.
2. Place the metal bracket in a horizontal orientation (left to right) against the wall with the open (raised) part of the mounting "snap" towards the floor.
3. Mark the locations of the two mounting holes when the mounting bracket is positioned correctly.

4. Drill two 3/16in. (if using wall anchors) sized holes at the locations marked and install the anchors into the wall (if applicable).
5. Secure the mounting bracket to the surface using the screws (2) and washers (2).

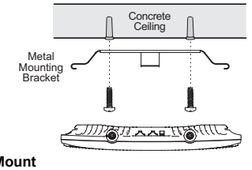
Attaching the AP 200 to the Mounting Bracket



1. Hold the AP 200 up to the bracket with the LEDs facing the installer. The wired Ethernet port connections are towards the floor.
2. Align the slots along the sides (to the left and right) of the ribbed bottom of the AP 200 to the notch hooks of the mounting bracket.
3. Insert the AP 200 into the bracket with a slight downward sliding motion until it locks in place and both hooks are fully seated.
4. Connect the Ethernet cable (use CAT- 5 or above without any strain relief) from the WS 5000 switch to the LAN port.
5. Verify the unit has power by observing the Amber LED.

Note: To configure the AP 200 refer to the WS 5000 Wireless Switch Online System Reference guide on the product CD included with the Wireless Switch hardware

Ceiling Mounting

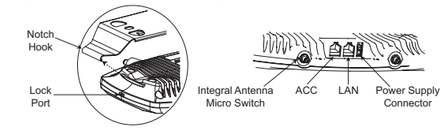


Concrete Ceiling Mount

1. Use the metal mounting bracket as a template to move the locations of the mounting screws.
2. Place the metal bracket in a horizontal orientation (left to right) against the wall with the open (raised) part of the mounting "snap" towards the floor.
3. Mark the locations of the two mounting holes when the mounting bracket is positioned correctly.
4. Drill two 3/16in. (if using wall anchors) sized holes at the locations marked and Install the anchors into the wall (if applicable).
5. Secure the mounting bracket to the surface using the screws (2) and washers (2).

Caution! Using the included hardware in a plaster wall board ceiling is not recommended.

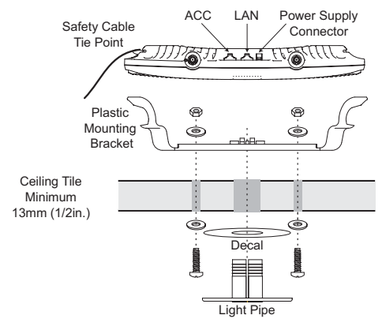
Attaching the AP 200 to the Mounting Bracket



1. Hold the AP 200 up to the bracket with the LEDs facing the installer. The wired Ethernet port connections face away from the installer.
2. Align the slots along the sides (to the left and right) of the ribbed bottom of the AP 200 to the notch hooks of the mounting bracket.
3. Insert the AP 200 into the bracket until it locks in place and both hooks are fully seated.
4. Connect the Ethernet cable (use CAT- 5 or above without any strain relief) from the WS 5000 switch to the LAN port.
5. Verify the unit has power by observing the Amber LED.

Note: To configure the AP 200 refer to the WS 5000 Wireless Switch Online System Reference guide on the product CD included with the Wireless Switch hardware

Suspended Ceiling Tile (Plenum) Mount

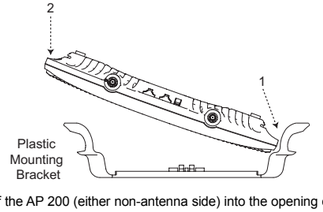


1. Place the plastic mounting bracket flat against the ceiling tile and use the mounting bracket as a template to mark the locations of the two mounting holes and the light pipe (the large hole in the center of the bracket).
2. Use the screws to tap the holes at the locations marked and cut out the marked location of the light pipe.
3. Install a screw and washer in each hole below the ceiling tile.
4. Place the plastic bracket flat above the ceiling tile, lining up the mounting bracket holes with the screws.
5. Place one of the washers over each of the screws that are lined up and through the mounting bracket holes.
6. Secure the mounting bracket to the ceiling tile fastening a nut to each screw.
7. Place the decal on the light pipe and install it into the opening in the ceiling tile and into the mounting bracket so it fits into the mounting bracket light pipe opening.

Note: When the AP 200 is installed on a thin [approximately 1.27cm (1/2in. thick)] ceiling tile, a gap of about .64cm (.25in.) - .76cm (.30in.) from the light pipe face to the ceiling tile is normal.

Caution! Symbol does not recommend mounting the AP 200 directly to any suspended ceiling tile with a thickness less than 1.27cm (1/2in.) or a suspended ceiling tile with an unsupported span greater than 66cm (26in.). Symbol recommends that the AP 200 be fitted with a customer supplied safety cable suitable for the specific installation. The safety cable should be steel at least .15cm (.06in.) - .25cm (.10in.) in diameter. Use a cable similar to cable used in a suspended ceiling installation.

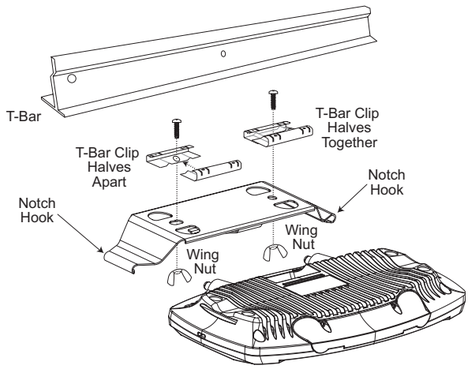
Attaching the AP 200 to the Mounting Bracket



1. Insert the end of the AP 200 (either non-antenna side) into the opening of the installation bracket.
2. Press down on the other end of the AP 200 until it locks in place (the plastic bracket has some flex in it and snaps in place).
3. Connect the Ethernet cable (use CAT- 5 or above without any strain relief) to the LAN port.
4. Verify the unit has power by observing the Amber LED.

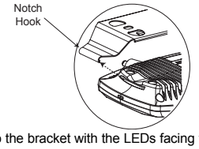
Note: To configure the AP 200 refer to the WS 5000 Wireless Switch Online System Reference guide on the product CD included with the Wireless Switch hardware

Below Suspended Ceiling (T-Bar) Mount



1. Determine the suspended (below) ceiling mounting location of the AP 200.
2. Loosely assemble the two clip halves by holding the clip halves facing each other clip side up (place the long channel section of one clip half on top of the other) so they form a "U" shape.
3. Place the flat side of the assembled T-bar clip on the opposite side of the "notch-hook" so that the opening formed in the center of the clip aligns with the center holes on each end of the metal mounting bracket.
4. Insert the carriage bolt through the T-bar clip and mounting bracket.
5. Use the wing nut to finger tighten the clip to the bracket. The wing nut secures the clip from the "notch-hook" side. Repeat steps 2 through 5 for the other T-bar clip.
6. Attach the mounting bracket to the suspended ceiling T-bar with the clips. Spread the clip halves to allow insertion of the ceiling T- bar's bottom flange.
7. Compress the halves until they fully engage the T-bar flange.
8. Secure the bracket to the T-bar by tightening the wing nut holding the clips.

Attaching the AP 200 to the Suspended Ceiling Mounting Bracket



1. Hold the AP 200 up to the bracket with the LEDs facing towards the ground.
2. Face the power/data port connectors away from the extended open metal (raised) part on the bracket.
3. Align the slot openings along the sides (on the left and right) of the ribbed bottom of the AP 200 to the notch hooks of the mounting bracket.
4. Insert the AP 200 into the bracket until it locks in place and both hooks are fully seated.
5. Connect the Ethernet cable (use CAT- 5 or above without any strain relief) to the LAN port.
6. Verify the unit has power by observing the Amber LED.

Note: To configure the AP 200 refer to the WS 5000 Wireless Switch Online System Reference guide on the product CD included with the Wireless Switch hardware.

Available Options

Contact a Symbol sales associate for available AP 200 radio and antenna options.

Radio or Antenna Option	Part Number
.11a Internal antenna	WSM-5040-110-WW
.11a External RSMA Dipole antenna	ML-5299-APA1-01
.11b radio with external antenna connectors	WSM-5030-200-WW
.11b radio with internal antenna	WSM-5030-210-WW
.11b External RBNC dipole antenna	ML 2499-APA1-00
.11b External RBNC high performance single antenna	ML 2499-HPA1-00
.11b Twin high performance diversity antennas	ML 2499-DVA1-00
.11b Mountable F-plane antenna	48-450115-01

Customer Support

Symbol Technologies provides its customers with prompt and accurate customer support. Use the Symbol Support Center as the primary contact for any technical problem, question or support issue involving Symbol products.

If the Symbol Customer Support specialists cannot solve a problem, access to all technical disciplines within Symbol becomes available for further assistance and support. Symbol Customer Support responds to calls by email, telephone or fax within the time limits set forth in individual contractual agreements.

When contacting Symbol Customer Support, please provide the following information:

- Device serial number
- Product name or model number
- Software type and version number

North American Contacts

Inside North America, contact Symbol at:

Symbol Technologies, Inc.

One Symbol Plaza

Holtsville, New York 11742-1300

Telephone: 1-631-738-2400/1-800-SCAN 234

Fax: 1-631-738-5990

Symbol Support Center (for warranty and service information):

Telephone: 1-631-738-6213/1-800-653-5350

Fax: (631) 563-5410

Email: support@symbol.com

International Contacts

Outside North America, contact Symbol at:

Symbol Technologies, Inc.

Symbol Place

Winnersh Triangle, Berkshire, RG41 5TP

United Kingdom

0800-328-2424 (Inside UK)

+44 118 945 7529 (Outside UK)

Web Support sites

MySymbolCare

http://www.symbol.com/services/msc

Symbol Services Homepage

http://symbol.com/services

Symbol Software Updates

http://symbol.com/services/downloads

Symbol Developer Program

http://software.symbol.com/devzone

Symbol Knowledge Base

http://kb.symbol.com/register.asp

Additional Information

Obtain additional information by contacting Symbol at:

- 1-800-722-6234, inside North America
- +1-631-738-5200, in/outside North America
- http://www.symbol.com/

Legal Information

Regulatory Information

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Any changes or modifications to Symbol Technologies equipment, not expressly approved by Symbol Technologies, could void the user's authority to operate the equipment.

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could cause damage and may violate regulations.

This device is to be used only with Symbol Technologies Wireless Switch.

Applying the Regulatory Country Stamp

Regulatory labels are applied to the device signifying the radio(s) are approved for use in the following countries: United States, Canada, Australia, Japan & Europe 1,2.

Note 1: For 2.4GHz Products: Europe includes, Austria, Belgium, Croatia, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Note 2: The use of 5GHz RLAN's has varying restrictions of use; please refer to the Symbol Declaration of Conformity (DoC) for details at http://www2.symbol.com/doc/

In addition to the list above other countries may require a regulatory stamp to be affixed to the product.

Please refer to www.symbol.com/ for the list of countries where mandatory stamps are required.

For countries that require regulatory label, a sheet of stamps may be enclosed within the package.

If the appropriate stamps are not provided, please contact your supplier.

To apply the country stamp:

1. Peel the stamp appropriate to the country where this device is to be used.
2. Apply the country stamp in the space provided on the regulatory label

⚠ Operation of the device without a regulatory label or the correct country Stamp is illegal.

FCC RF Exposure Guidelines

Safety Information

⚠ The device complies with internationally recognized standards covering Specific Absorption Rate (SAR) related to human exposure to electromagnetic fields from radio devices.

It is advisable to use the device only in the normal operating position.

Remote and Standalone Antenna Configurations.

To comply with FCC RF exposure requirements, antennas that are mounted externally at remote locations or operating near users at stand-alone desktops of similar configurations must operate with a minimum separation distance of 20cm from all persons.

Power Supply

Use only Symbol approved power supplies 50-24000-049 output rated 48VDC and minimum 1.1amp or 50-24000-050 output rated 48VDC and minimum .25amp. The power supply is certified to EN60950 with SELV outputs. Use of alternative power supply will invalidate any approval given to this device and may be dangerous.

Hinweis: Benutzen Sie nur eine Symbol Technologies genehmigt Stromversorgung 50-24000-049 in den Ausgabe: 48VDC und minimum 1.1A. oder 50-24000-050 in den Ausgabe: 48VDC und minimum .25A. Die Stromversorgung ist bescheinigt nach EN60950 mit SELV Ausgaben

- Model 50-24000-049 48VDC power supply
- Model 50-24000-050 48VDC power supply
- Model AP-PSBIAS-T-12-AF Power Injector-12 Port

Radio Frequency Interference Requirements

Symbol Technologies Inc.

FC Tested to Comply With FCC Standards

For Home or Office Use

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
- Consult the dealer or an experienced radio/TV technician for help.

Radio Transmitters (Part 15)

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.

Radio Frequency Interference Requirements - Canada

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

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

Radio Transmitters

This device complies with RSS 210 of Industry & Science Canada. 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.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.

CE **Marking and European Economic Area (EEA)**

The use of 2.4GHz RLAN's, for use through the EEA, have the following restrictions:

- Maximum radiated transmit power of 100mW EIRP in the frequency range 2.400GHz - 2.4835GHz
- France, equipment is restricted to 2.4465GHz - 2.4835GHz frequency range
- Belgium outside usage, the equipment is restricted to 2.460GHz - 2.4835 GHz frequency range
- Italy requires a user license for outside usage.

The use of 5GHz RLAN's has varying restrictions for use within the EEA; please refer to the Symbol Declaration of Conformity (DoC) for details at http://www2.symbol.com/doc/

Statement of Compliance

Symbol Technologies, Inc., hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A Declaration of Conformity may be obtained from http://www2.symbol.com/doc/

Other Countries

Mexico - Restrict Frequency Range to: 2.450GHz - 2.4835GHz.

Israel - Restrict Frequency Range to: 2.418GHz - 2.457GHz.

Sri Lanka- Restrict Frequency Range to: 2.400GHz - 2.430GHz.