

IE-MediaChassis/2-AC

USER MANUAL



B+B SMARTWORX

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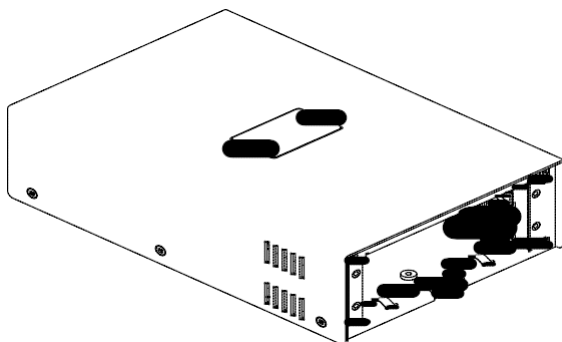
ABOUT THE IE-MEDIACHASSIS/2-AC

The IE-MediaChassis/2-AC is a stand-alone chassis for use with iMcV modules. As an unmanaged chassis, the IE-MediaChassis/2-AC supports two single-wide or one dual-wide iMcV module. All iMcV modules (with the exception of the SNMP management card) will function properly in this chassis.

The IE-MediaChassis/2-AC contains an internal AC power supply. It supports an extended temperature of -20 to +70 °C.

The IE-MediaChassis/2-AC includes a temperature triggered fan. When the internal temperature of the chassis reaches 30 °C (86 °F), the fan is activated. As the temperature increases, the fan drive duty-cycle adjusts to increase the fan speed. You can test the fan operation by depressing the fan test switch on the back of the chassis.

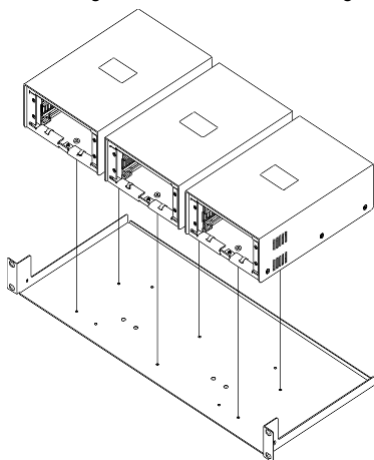
NOTE: Some options require items that are sold separately, available from B+B SmartWorx.



INSTALLING THE IE-MEDIACHASSIS/2-AC

Use the IE-MediaChassis/2-AC as a table-top chassis, mount in a rack mount shelf, or mount it to a wall surface (brackets are not required).

1. Install the IE-MediaChassis/2-AC by placing it on a flat surface.
2. If mounting on a rackmount shelf, align screw holes and secure with screws.



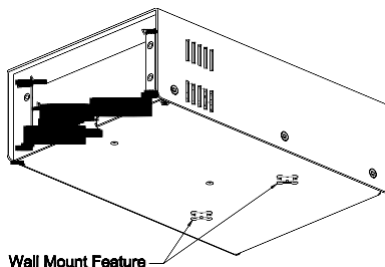
NOTE: Some options require items that are sold separately, available from B+B SmartWorx.

RACK MOUNT INSTALLATION

NOTE: Rack-mount shelf sold separately, part number 895-39949, from B&B SmartWorx.

Rack mounting requires a rackmount shelf for mounting modules - up to three units side by side.

1. If mounting the chassis on a wall, place two #10 panhead screws (*not* supplied) on the wall the distance of the holes on the chassis; then hang the unit on the screws.



2. Attach the cables between the chassis and the device that will be interconnected; then plug the unit into a reliable, filtered power source.

RACK MOUNT PRECAUTIONS

1. Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.
2. Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
3. Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
4. Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
5. Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

CONFIGURING & INSTALLING MODULES

B+B SmartWorx recommends turning the chassis power off before proceeding:

1. To install an iMcV module, slide the module into the chassis until the module is firmly seated in the backplane.
2. Secure the module to the chassis by tightening the captive thumb screw on the iMcV module.
3. Attach the network cables between the iMcV module and other devices that will be interconnected.
4. Plug the chassis into the AC power source.

SPECIFICATIONS

Environmental

Operating Temperature: -20 to +70 °C (-4 to + 158 °F)

Storage Temperature: -40 to + 85 °C (-40 to +185 °F)

Humidity: 5 to 95% (non-condensing)

AC Power Supply

AC Input: 100 to 240 VAC \pm 10%, 50/60 Hz, 1 to 0.5 A

Dimensions

5.7H x 12.1W x 18.6D cm (2.23H x 4.75W x 7.3D in)

Heat Generation

51 BTU/hr., maximum

Fan turns on if the internal temperature exceeds +30 °C (+86 °F)

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STATEMENTS, GUIDELINES, PRECAUTIONS**FCC RADIO FREQUENCY INTERFERENCE STATEMENT**

This equipment has been tested and found to comply with the limits for a Class A computing device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which the user will be required to correct the interference at his own expense.

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

The use of non-shielded I/O cables may not guarantee compliance with FCC RFI limits. This digital apparatus does not exceed the Class A limits for radio noise emission from digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de classe A prescrites dans le Règlement sur le brouillage radioélectrique publié par le ministère des Communications du Canada.

FIBER OPTIC CLEANING GUIDELINES

Fiber Optic transmitters and receivers are extremely susceptible to contamination by particles of dirt or dust, which can obstruct the optic path and cause performance degradation. Good system performance requires clean optics and connector ferrules.

1. Use fiber patch cords (or connectors, if you terminate your own fiber) only from a reputable supplier; low-quality components can cause many hard-to-diagnose problems in an installation.
2. Dust caps are installed at the factory to ensure factory-clean optical devices. These protective caps should not be removed until the moment of connecting the fiber cable to the device. Should it be necessary to disconnect the fiber device, reinstall the protective dust caps.
3. Store spare caps in a dust-free environment such as a sealed plastic bag or box so that, when reinstalled, they do not introduce any contamination to the optics.
4. If you suspect that the optics have been contaminated, alternate between blasting with clean, dry, compressed air and flushing with methanol to remove particles of dirt.

ELECTROSTATIC DISCHARGE PRECAUTIONS

Electrostatic discharge (ESD) can cause damage to your add-in modules. Always observe the following precautions when installing or handling an add-in module or any board assembly.

1. Do not remove unit from its protective packaging until you're ready to install it.
2. Wear an ESD wrist grounding strap before handling any module or component. If you do not have a wrist strap, maintain grounded contact with the system unit throughout any procedure requiring ESD protection.
3. Hold boards by the edges only; do not touch the electronic components or gold connectors.
4. After removal, always place the boards on a grounded, static-free surface, ESD pad or in a proper ESD bag. Do not slide the board over any surface.



WARNING! Integrated circuits and fiber optic components are extremely susceptible to electrostatic discharge damage. Do not handle these components directly unless you are a qualified service technician and use tools and techniques that conform to accepted industry practices.

STANDARDS/COMPLIANCES

UL/cUL: Listed to Safety of Information Technology Equipment, including Electrical Business Equipment.

CE: The products described herein comply with the Council Directive on Electromagnetic Compatibility (89/336/EEC) and the Council Directive on Electrical Equipment Designed for use within Certain Voltage Limits (73/23/EEC). Certified to Safety of Information Technology Equipment, Including Electrical Business Equipment. For further details, contact B+B SmartWorx.



European Directive 2002/96/EC (WEEE) requires that any equipment that bears this symbol on product or packaging must not be disposed of with unsorted municipal waste. This symbol indicates that the equipment should be disposed of separately from regular household waste. It is the consumer's responsibility to dispose of this and all equipment so marked through designated collection facilities appointed by government or local authorities. Following these steps through proper disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about proper disposal, please contact local authorities, waste disposal services, or the point of purchase for this equipment.



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