

Specification

Environmental Characteristics	Operating	Non-operating
Temperature	+15 to +30 °C	-10 to +50 °C
Humidity (non-condensing)	10 to 90%	5 to 95%
Altitude	<2000 m	<10000 m

Product	Electrical Rating	Weight (kg)	Dimensions (H × W × D)
Pico Server	19 VDC = 4.7 A (Max)	1.4	44 mm × 145 mm × 152 mm
Pico Power Supply Unit	100-240 V ~ 3-1.5 A, 60-50 Hz	—	13 mm × 126 mm × 49 mm

End of Service Life



Dispose of the equipment and any components in accordance with all local and national safety and environmental requirements. **Caution: risk of explosion or leakage of flammable liquids or gas.** Any batteries should not be subject to extremely low pressure, extremely hot environments, disposed of in fire or mechanically crushed or cut.

Regulatory Compliance Statements

FCC

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.

Note: This equipment has been tested and found to comply with the limits for a Class A digital 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 this user guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

European Union

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Delta Pico Media Server Hardware User Guide



Customer Support Portal: <https://portal.7thsense.one>

Support

If your Delta Pico Media Server was purchased through one of our regional distributors, please contact your supplier directly for support.

Visit our customer support portal where you can find a wide range of support documentation, together with contact information.

Warranty

Standard warranty is 24 months, return-to-supplier. Please contact your supplier if you require an extended warranty.

Please ask for instructions and request authorisation before returning a server to your supplier.

Operating Instructions

Operating instructions for your server can be found in the Online User Guides section of the 7thSense customer support portal.

Handling and Installation

Unpacking

Unpack your Pico server carefully onto a clean surface and examine it for any signs of transit damage. Contact your supplier immediately if anything appears to be damaged, or any parts missing. Please retain all packaging in case of future need to return a server.

Rack mounting

A rack mounting frame and blanking plates can be supplied for mounting up to 3 Pico servers as a 1U height rack unit.

Full details for safely mounting Pico servers are given on document M511 available from 7thSense Design and can be found in the Online User Guides section of the customer support portal.

Dual NIC ports

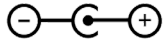


On the rear right-hand side, the RJ45 port labelled 'NIC 1' is factory-set to a static IP and 'NIC 2' to DHCP. A label with this initial static IP address is provided on each unit.

Connecting External Equipment

To ensure best performance from the Pico server and compliance with relevant EMC regulations, this equipment should only be used with high-quality shielded data and signal cables.

Only equipment and accessories approved to IEC 60950-1 and SELV circuits may be connected to the server. All equipment and accessories shall comply to the relevant standard for the server's port to which it is connected.



Connecting the GPIO

Pico servers with serial numbers higher than 4600 have opto-isolated GPIO connectors. These operate between 3.0 and 5.0 VDC, 35 and 100 mA. Take care not to exceed these values.

Environment

General

Delta Pico Media Servers are intended for use in a commercial (not domestic) environment and should be operated in a clean, dust free area (e.g. a server room).

The server is intended for operation in benign environments; that is, not subject to corrosive or explosive atmospheres, moisture or flammable gases. The server is non-protected against ingress of liquid (IPx0). The server is not designed to be subject to excessive mechanical shock or vibration. For environments with some movement and vibration, an anti-shock frame mount is available for single Pico units.



Only used at altitude not exceeding 2000 m



Only used in not-tropical climate regions

Thermal

Do not block any of the server's air vents and ensure the ambient temperature around the server is compatible with the environmental characteristics stated on the back page of this manual.

Particularly when mounted in a rack cabinet with front or rear doors the ambient temperature around the server may be higher than the ambient room temperature.



Pico servers can be mounted vertically using the optional VESA mounting plate, but care must be taken that hot air from the rear panel is not drawn back in at the front. Do not mount with the front panel uppermost.

Electrical

Before connecting mains power to the server's power supply unit (PSU), ensure the electricity supply is compatible with the electrical ratings shown here and on the power supply product label.

The power supply unit is connected to, and disconnected from, the mains supply with an IEC 60320 power connector.

The low voltage output is connected to the labelled rear socket of the unit, where the lead can be secured to the chassis with the clip provided.

Only use the 19 VDC power supply unit that is supplied by 7thSense with the Pico unit. Failure to do so may damage the Pico and invalidate any warranty.

Maintenance

Air Filter

A user-serviceable air filter is located on the server's front panel. It is important to remove and clean or replace the filter periodically to avoid overheating.

Delta Pico Servers are supplied with one spare filter pad, others can be provided by your supplier. Servers should not be run without filters, since accumulations of dust inside the server can affect performance.

Cleaning

External casing and the front panel should be carefully wiped with a soft cloth and antistatic solution.

Server internal maintenance

Delta Pico units contain no user-serviceable parts. For CMOS battery replacement please contact your supplier for further instructions.



Warning: Do not operate the server with any covers removed as the air flow through the unit may be compromised leading to overheating.

Any alterations to the product's specification, including additional/alternative components, BIOS changes, overclocking, etc., may invalidate the warranty or impact the server's performance. Additionally, such changes or modifications could cause equipment no longer to comply with the relevant EMC regulations, and void the user's authority to operate the equipment. If in doubt, please contact your supplier.

Electrostatic discharge (ESD)

When handling electronic assemblies, take precautions to avoid electrostatic discharge (ESD) causing damage. Precautions should include the wearing of an ESD protective wrist strap and using antistatic bags for electronic assemblies when not installed in a server.