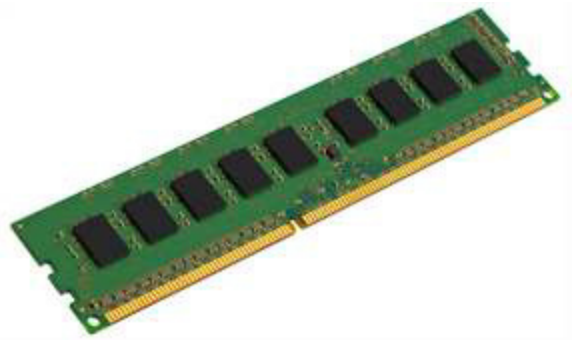

Features

Laptop: *(RAM-UPG-LAPTOP-4GB) One 4-GB memory module*

Console: *(RAM-UPG-CONSOLE-4GB) One 4-GB memory module*

Rackmount computer: *(RAM-UPG-RACKMT-8GB) Two 4-GB memory modules*

Actual product appearance might differ depending on the model.

Memory Module Upgrade

Avtec offers a memory upgrade kit for the Scout console and the Scout rackmount computer.

Upgrading memory modules can boost performance by enabling faster processing speeds, providing smoother multi-tasking, and enhancing graphic display. The following upgrades are available:

- **Scout laptop**: 4 GB RAM using one 4-GB memory module
- **Scout console**: 4 GB RAM using one 4-GB memory module
- **Scout rackmount computer**: 8 GB RAM using two 4-GB memory modules

Memory modules are not interchangeable among all laptop, console, and rackmount computers. Be sure to use the correct model number. Actual memory module appearance might differ depending on the model.

NOTES

- Memory module form factors and support may be different for machines purchased before 2016. RAM-UPG-RACKMT-8GB is not compatible with older DDR3 memory modules and has a different form factor to prevent accidental insertion.
- Consoles running 32-bit Windows might require an upgrade to 64-bit Windows to upgrade to the RAM-UPG-CONSOLE-4GB.

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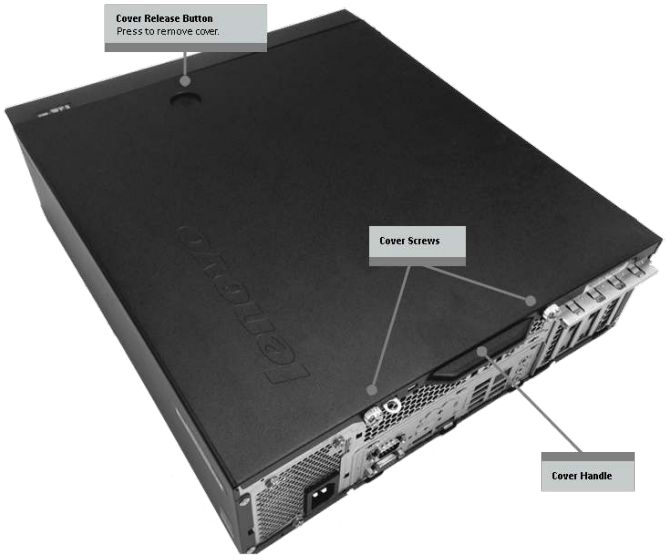
SPECIFICATIONS

CATEGORY	LAPTOP	CONSOLE & RACKMOUNT
Memory Type	DDR3L	DDR3 SDRAM before 2015. DDR4 SDRAM after 2015. Might be compatible with earlier 32-bit machines but an operating system update might be needed.
Module Capacity	1 module x 4 GB	Console — 4 GB (1 module x 4 GB) Rackmount computer — 8 GB (2 modules x 4 GB)
Form Factor	SO-DIMM 204-pin	DDR3 — DIMM 240-pin DDR4 — DIMM 288-pin
Memory Base Frequency	1600 MHz	1600 MHz
CAS Latency	CL11	CL11
Voltage	1.5 v	1.5 v
ECC	No	Console — No Rackmount computer — Yes
Module Bandwidth	12800 Mb/s	12800 Mb/s

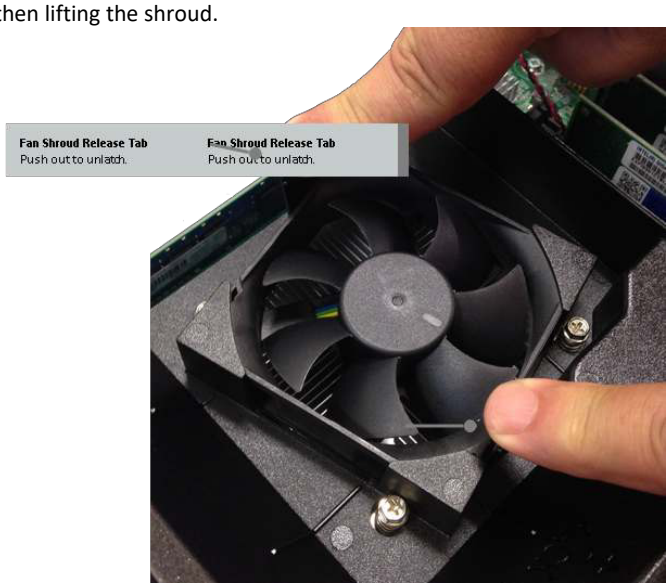
INSTALLING A MEMORY MODULE IN A SCOUT CONSOLE

To install a memory module:

1. Ground yourself by using an antistatic wrist strap or other device.
2. Power down the console and unplug it.
3. Using a Philips screwdriver, remove the two cover screws at the rear of the console.



4. Press the cover release button on top of the console. Using the handle at the rear of the cover, slide back the cover and lift it off.
5. Remove the fan shroud by pushing out the release tabs and then lifting the shroud.



6. Remove the existing memory module from the DIMM2 slot and install it in the DIMM1 slot.
7. Install the new memory module in slot DIMM3.

   Be sure the old and new memory modules are installed in the same colored slots, respectively.
8. Reinstall the fan shroud with the side labeled "Back" positioned toward the rear of the unit.
9. Reinstall the cover and tighten the screws.

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INSTALLING A MEMORY MODULE IN A RACKMOUNT COMPUTER

To install the memory module:

1. Ground yourself by using an antistatic wrist strap or other device.
2. Power down the console and unplug it.
3. Using a Philips screwdriver:
    a. Remove the two cover screws at the rear of the console.
    b. Remove the two center cover screws on the top front edge of the console and remove the cover.

4. Install the new memory modules in slot DIMM1 and DIMM3.
5. Reinstall the cover and tighten the screws.

INSTALLING A MEMORY MODULE IN A LAPTOP

To install the memory module:

1. Ground yourself by using an antistatic wrist strap or other device.
2. Power down the laptop and unplug it.
3. Using a Philips screwdriver, remove the two memory cover screws on the bottom of the laptop.
4. Install the new memory module in an empty slot.
5. Reinstall the cover and tighten the screws.

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