



Physical to Logical Port Assignment

Technical Note

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1 Introduction

There are a variety of hardware LoadMaster models to choose from. For details on each, consult the Kemp website: www.kemptechnologies.com.

The physical network ports and their logical assignment varies between models depending on the underlying hardware platform used.

1.1 Document Purpose

This document provides details on all visible connections and indicators on each hardware LoadMaster. This includes outlining the total number of Ethernet and Small Form-factor Pluggable (SFP+) ports on each model. Because the physical port labels on each LoadMaster model may vary, this document shows the factory default logical port label assignment.

1.2 Intended Audience

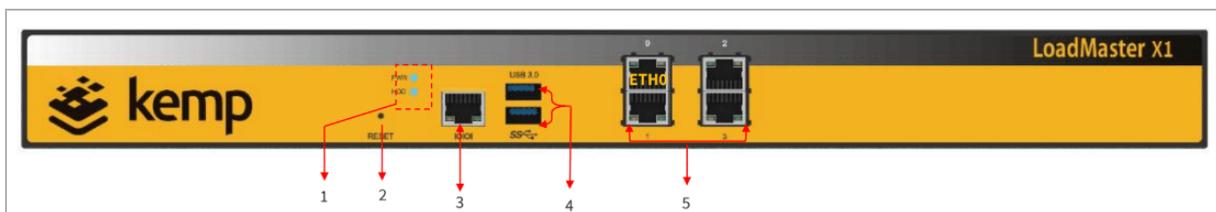
This document is intended to be read by anyone who is interested in finding out the logical port label assignment when installing a hardware LoadMaster.

2 Logical Port Label Assignment

Refer to the sections below for details on the logical port label assignment.

2.1 LoadMaster LM-X1

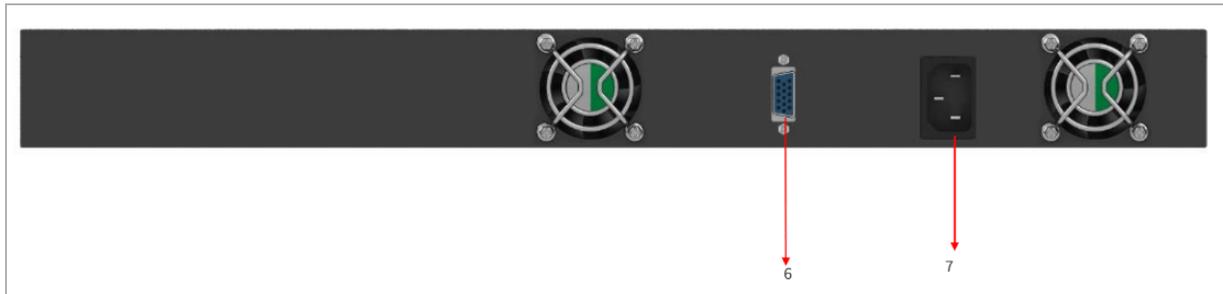
Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|----------------------------|---|--|
| 1. | PWR LED | LED – Blue | Power on indicator |
| | | LED – Off | Power off indicator |
| | HDD LED | LED – Blinking amber | Indicates HDD operating normal |
| | | LED – Off | Indicates no activity of HDD |
| 2. | Reset | Reset LoadMaster | System reset |
| 3. | RJ45 console port | RJ45 Console Connection | Allows RJ45 console devices to connect to the system |
| 4. | USB Ports | USB 3.0 Ports (x2) | Allows USB devices to connect to the system |
| 5. | 1 Gb copper ethernet ports | 1 Gigabit Ethernet (GbE) Copper (RJ45) ports (x4) | Logical Assignment Port 0:3 map to ETH0:ETH3 |
| | | Activity LED – Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |

| | |
|----------------|-------------------------------|
| Link LED – On | Link - connection established |
| Link LED – Off | No link (cable disconnected) |

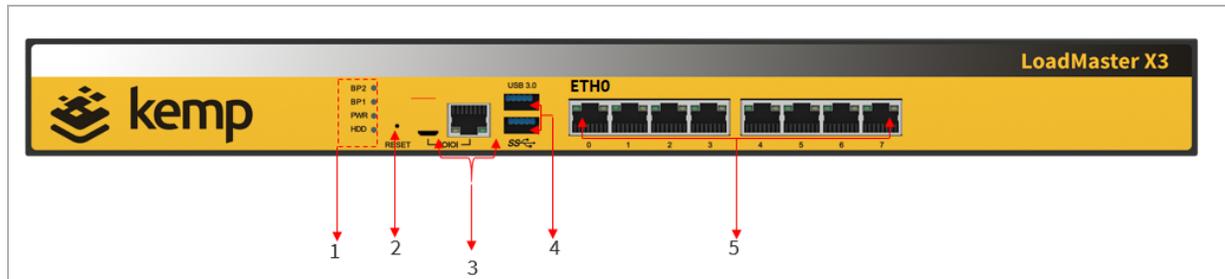
Port Location - Rear Panel



| Item No. | Item | Description | Notes |
|----------|---------------------------------|------------------------|---|
| 6. | Video Graphics Array (VGA) port | Standard VGA interface | Used to connect a VGA monitor |
| 7. | Power supply | 65W AC power supply | Power source for the system, refer to item 1 for status LED Indicators. |

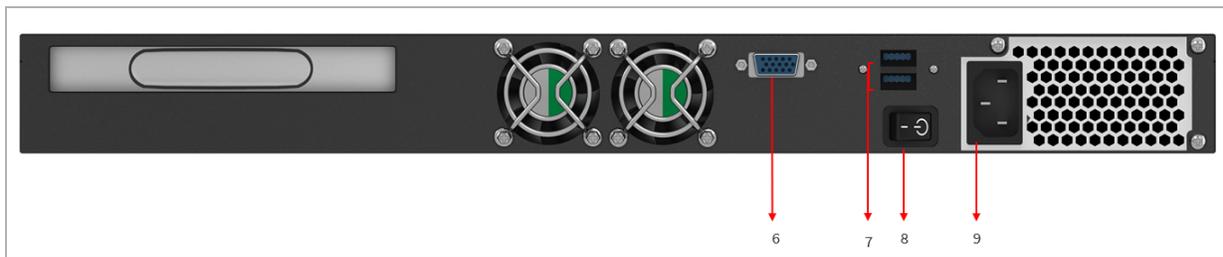
2.2 LoadMaster LM-X3

Port Location - Front Panel



| Item No. | Item | Description | Notes |
|-----------|-----------------------------------|--------------------------------|--|
| 1. | PB2 LED | Not used | Not used |
| | PB1 LED | Not used | Not used |
| | PWR LED | LED – Green | Power on indicator |
| | | LED – Off | Power off indicator |
| | HDD LED | LED – Blinking amber | Indicates HDD activity |
| LED – Off | | Indicates no HDD activity | |
| 2. | Reset | Reset LoadMaster | System reset |
| 3. | RJ45/Micro USB type console ports | RJ45 Console Connection | Allows RJ45 console devices to connect to the system |
| 4. | USB Ports | USB 3.0 Ports (x2) | Allows USB devices to connect to the system |
| 5. | 1 Gb copper ethernet ports | 1 GbE copper (RJ45) ports (x8) | Logical Assignment Port 0:7 map to ETH0:ETH7 |
| | | Activity LED – Blinking | Indicates data activity |
| | | Activity LED - Off | Indicates no data activity |
| | | Link LED – On | Indicates data 1 Gb and 10/100 Mb |
| | | Link LED – Off | Indicates no link |

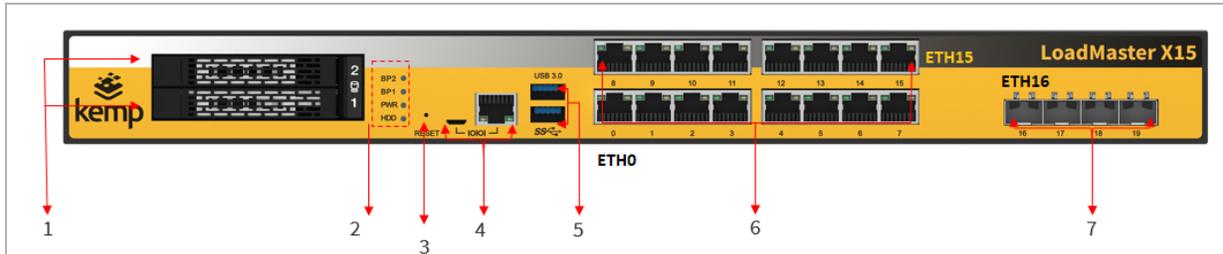
Port Location - Rear Panel



| Item No. | Item | Description | Notes |
|----------|--------------|---|---|
| 6. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 7. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 8. | Power switch | Press to power-on or power-off the system On/off switch | Press to power on or power off the system |
| 9. | Power supply | 300W AC power supply | Power source for the system, refer to item 1 for status LED Indicators. |

2.3 LoadMaster LM-X15 and LM-X15-MT

Port Location - Front Panel

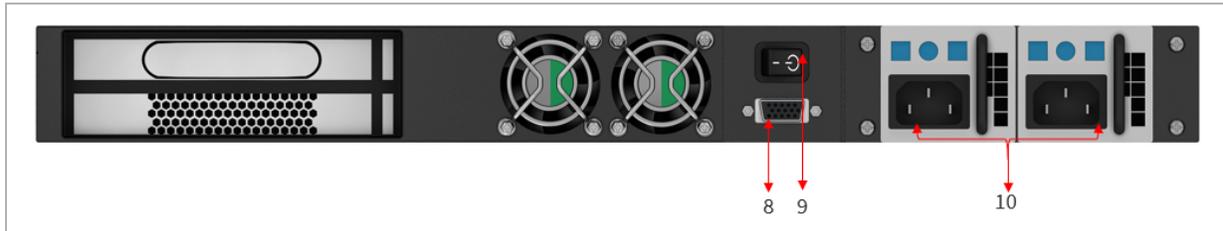


| Item No. | Item | Description | Notes |
|----------|-----------------------------------|--|---|
| 1. | RAID (Dual HDD) | RAID 1 (mirroring) Hot-Swap Disk (x2) | Disk mirroring - replicating of data to two or more disks |
| | | HDD LED - Green | Indicates HDD operating normal |
| | | HDD LED - Red | Indicates possible HDD issue (contact Kemp Customer Support) |
| | | Rebuild LED - Blinking amber | Indicates HDD rebuilding process (could take several hours to complete) |
| 2. | PB2 LED | Not used | Not used |
| | PB1 LED | Not used | Not used |
| | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| | HDD LED | LED - Amber | Indicates HDD activity |
| | | LED - Off | Indicates no HDD activity |
| 3. | Reset | Reset LoadMaster | System reset |
| 4. | RJ45/Micro USB type console ports | RJ45/micro USB type Console Connection | Allows RJ45/micro USB console devices to connect |



| | | | |
|----|------------------------|---------------------------------|--|
| | | | to the system |
| 5. | USB Ports | USB 3.0 Ports (x2) | Allows USB devices to connect to the system |
| 6. | 1 Gb Ethernet ports | 1 GbE copper (RJ45) ports (x16) | Logical Assignment Port 0:15 map to ETH0:ETH15 |
| | | Activity LED – Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED – On | Link - connection established |
| | | Link LED – Off | No link (cable disconnected) |
| 7. | 10 Gb Fiber SFP+ ports | 10 Gbps Fiber SFP+ Ports (x4) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 16:19 map to ETH16:ETH19 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |

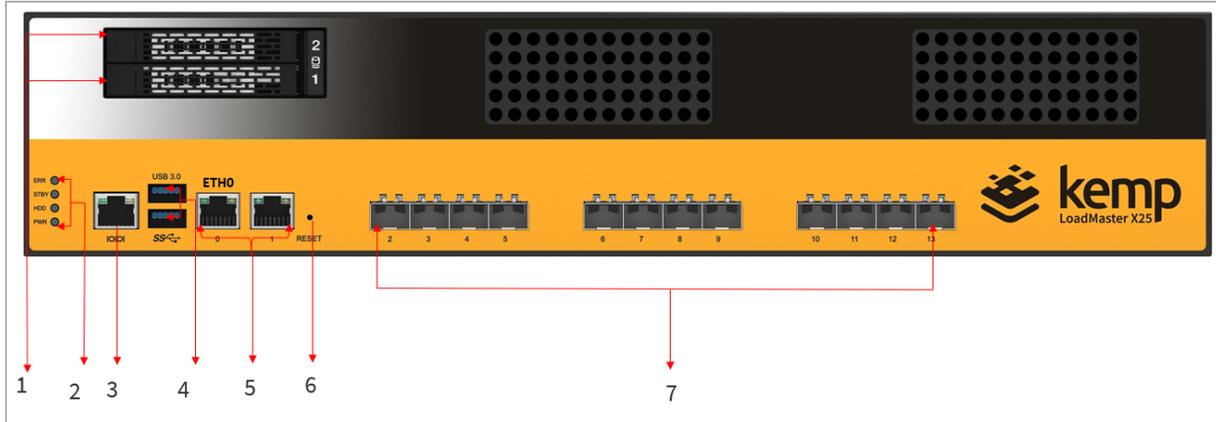
Port Location - Rear Panel



| No | Item | Description | Notes |
|-----|----------------------------|--|---|
| 8. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 9. | Power switch | On/off switch | Press to power on or power off the system |
| 10. | Dual Hot-Swap power supply | 450W 1+1 redundant power supply | Power source for the system, refer to item 2 for status LED Indicators. |
| | | LED - Green | Indicates power on mode |
| | | LED - Blinking green | Indicates standby mode |
| | | LED - Blinking red with high pitch sound | Indicates a loss of power supply redundancy and/or an issue with the power supply |

2.4 LoadMaster LM-X25 and LM-X25-MT

Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|-----------------|---------------------------------------|---|
| 1. | RAID (Dual HDD) | RAID 1 (mirroring) Hot-Swap Disk (x2) | Disk mirroring - replicating of data to two or more disks |
| | | HDD LED - Green | Indicates HDD operating normal |
| | | HDD LED - Red | Indicates possible HDD issue (contact Kemp Customer Support) |
| | | Rebuild LED - Blinking amber | Indicates HDD rebuilding process (could take several hours to complete) |
| 2. | ERR LED | Error LED - Red | Indicates if the system is experiencing an error during operation (contact Kemp Customer Support) |

| | | | |
|----|-----------------------|--------------------------------|--|
| | STBY LED | Standby LED – Amber | Indicates that the system is in sleep mode |
| | HDD LED | LED – Amber | Indicates HDD activity |
| | | LED - Off | Indicates no HDD activity |
| | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| 3. | RJ45 console port | RJ45 Console Connection | Allows RJ45 console devices to connect to the system |
| 4. | USB Ports | USB 3.0 Ports (x2) | Allows USB devices to connect to the system |
| 5. | 1 Gb Ethernet Ports | 1 GbE Copper (RJ45) Ports (x2) | Logical Assignment Port 0:1 map to ETH0:ETH1 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 6. | Reset | Reset LoadMaster | System reset |
| 7. | 10Gb Fiber SFP+ Ports | 10 Gbps SFP+ Ports (x12) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment |



| | |
|-------------------------|----------------------------------|
| | Port 2:13 map to ETH2:ETH13 |
| Activity LED - Blinking | Indicates network activity |
| Activity LED - Off | Indicates no network activity |
| Link LED - On | Link - connection established |
| Link LED - Off | No link (cable disconnected) |

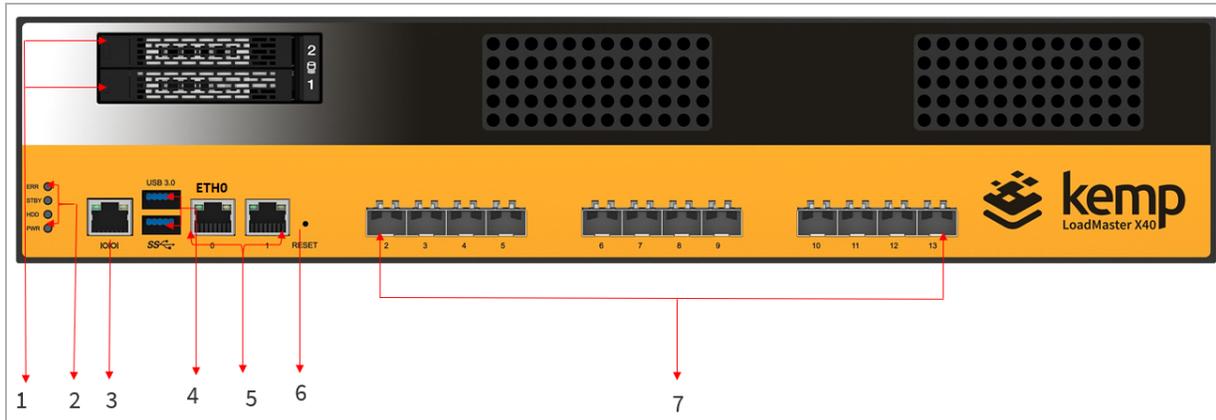
Port Location - Real Panel



| Item No. | Item | Description | Notes |
|----------|----------------------------|---------------------------------|--|
| 8. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 9. | Power switch | On/off switch | Press to power on or power off the system |
| 10. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 11. | Dual Hot-Swap Power Supply | 700W 1+1 redundant power supply | Power source for the system, refer to item 2 for status LED Indicators. |
| | | LED - Green | Indicates power on mode |
| | | LED - Blinking green | Indicates standby mode |
| | | LED - Amber | Indicates loss of power supply redundancy and/or issue with power supply |

2.5 LoadMaster LM-X40, LM-X40M, and LM-X40-MT

Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|-----------------|---------------------------------------|---|
| 1. | RAID (Dual HDD) | RAID 1 (mirroring) Hot-Swap Disk (x2) | Disk mirroring - replicating of data to two or more disks |
| | | HDD LED - Green | Indicates HDD operating normal |
| | | HDD LED - Red | Indicates possible HDD issue (contact Kemp Customer Support) |
| | | Rebuild LED - Blinking amber | Indicates HDD rebuilding process (could take several hours to complete) |
| 2. | ERR LED | Error LED - Red | Indicates that the system is experiencing an error during operation (contact Kemp Customer Support) |
| | STBY LED | Standby LED - Amber | Indicates that the |

| | | | |
|----|------------------------|--------------------------------|--|
| | | | system is in sleep mode |
| | HDD LED | LED - Amber | Indicates HDD activity |
| | | LED - Off | Indicates no HDD activity |
| | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| 3. | RJ45 console port | RJ45 Console Connection | Allows RJ45 console devices to connect to the system |
| 4. | USB Ports | USB 3.0 Ports (x2) | Allows USB devices to connect to the system |
| 5. | 1 Gb Ethernet Ports | 1 GbE Copper (RJ45) Ports (x2) | Logical Assignment Port 0:1 map to ETH0:ETH1 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 6. | Reset | Reset LoadMaster | System reset |
| 7. | 10 Gb Fiber SFP+ Ports | 10 Gbps SFP+ Ports (x12) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 2:13 map to ETH2:ETH13 |
| | | Activity LED - Blinking | Indicates network activity |

| | |
|--------------------|-------------------------------|
| Activity LED - Off | Indicates no network activity |
| Link LED - On | Link - connection established |
| Link LED - Off | No link (cable disconnected) |

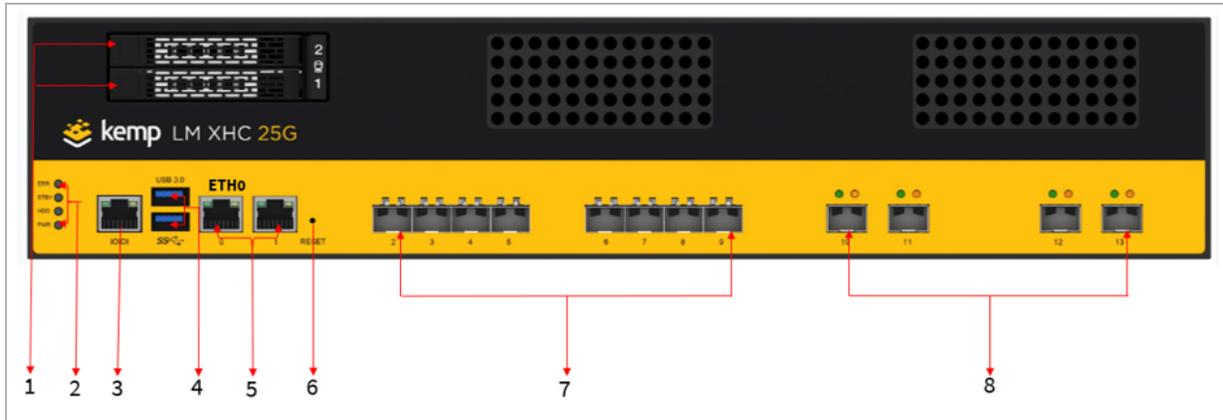
Port Location - Real Panel



| Item No. | Item | Description | Notes |
|----------|----------------------------|---------------------------------|--|
| 8. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 9. | Power switch | On/off switch | Press to power on or power off the system |
| 10. | USB ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 11. | Dual Hot-Swap Power Supply | 700W 1+1 redundant power supply | Power source for the system, refer to item 2 for status LED Indicators. |
| | | LED - Green | Indicates power on mode |
| | | LED - Blinking green | Indicates standby mode |
| | | LED - Amber | Indicates loss of power supply redundancy and/or issue with power supply |

2.6 LoadMaster LM XHC 25G

Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|-----------------|--|---|
| 1. | RAID (Dual HDD) | RAID 1 (mirroring) Hot-Swap Disk (x2) | Disk mirroring - replicating of data to two or more disks |
| | | HDD LED - Green | Indicates HDD operating normal |
| | | HDD LED - Red | Indicates possible HDD issue (contact Kemp Customer Support) |
| | | Rebuild LED - Blinking amber | Indicates HDD rebuilding process (could take several hours to complete) |
| 2. | ERR LED | Error LED - Red | Indicates that the system is experiencing an error during operation (contact Kemp Customer Support) |
| | STBY LED | Standby LED - Amber | Indicates that the system is in sleep mode |
| | HDD LED | LED - Amber | Indicates HDD activity |
| | | LED - Off | Indicates no HDD activity |
| | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| 3. | RJ45 | RJ45 console | Allows RJ45 console devices to connect to the system |

| | console port | connection | |
|----|-------------------------|--------------------------------|--|
| 4. | USB ports | USB 3.0 ports (x2) | Allows USB devices to connect to the system |
| 5. | 1 Gb Ethernet ports | 1 GbE copper (RJ45) ports (x2) | Logical Assignment Port 0:1 map to ETH0:ETH1 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 6. | Reset | Reset LoadMaster | System reset |
| 7. | 10 Gb Fiber SFP+ ports | 10 Gbps SFP+ ports (x8) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 2:9 map to ETH2:ETH9 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 8. | 25 Gb Fiber SFP28 ports | 25 Gb Fiber SFP28 ports (x4) | Requires SFP28 transceiver modules (purchase from Kemp) Logical Assignment Port 10:13 map to ETH10:ETH13 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |

| | |
|----------------|-------------------------------|
| Link LED - On | Link - connection established |
| Link LED - Off | No link (cable disconnected) |

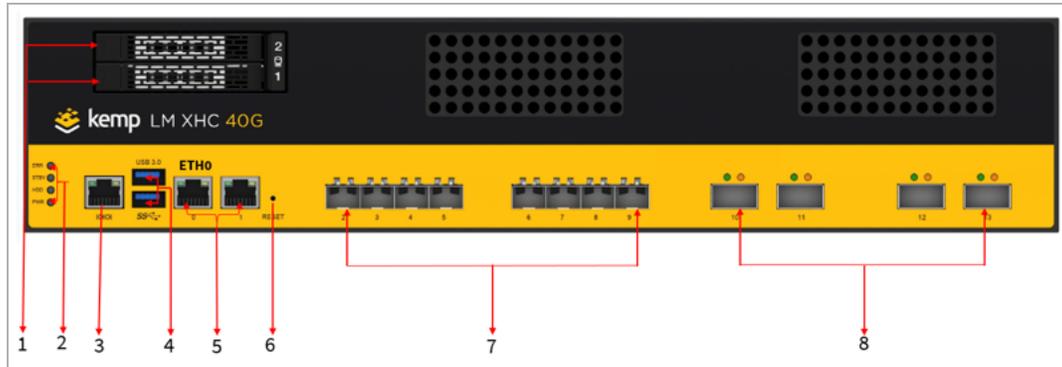
Port Location - Real Panel



| Item No. | Item | Description | Notes |
|----------|----------------------------|---------------------------------|---|
| 9. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 10. | Power switch | On/off switch | Press to power on or power off the system |
| 11. | USB ports | USB 2.0 ports (x2) | Allows USB devices to connect to the system |
| 12. | Dual Hot-Swap Power Supply | 700W 1+1 redundant power supply | Power source for the system. Refer to row 2 in the table above for LED status indicators. |
| | | LED - Green | Indicates power on mode |
| | | LED - Blinking green | Indicates standby mode |
| | | LED - Amber | Indicates loss of power supply redundancy and/or issue with power supply |

2.7 LoadMaster LM XHC 40G

Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|-------------------|--|---|
| 1. | RAID (Dual HDD) | RAID 1 (mirroring) Hot-Swap Disk (x2) | Disk mirroring - replicating of data to two or more disks |
| | | HDD LED - Green | Indicates HDD operating normal |
| | | HDD LED - Red | Indicates possible HDD issue (contact Kemp Customer Support) |
| | | Rebuild LED - Blinking amber | Indicates HDD rebuilding process (could take several hours to complete) |
| 2. | ERR LED | Error LED - Red | Indicates that the system is experiencing an error during operation (contact Kemp Customer Support) |
| | STBY LED | Standby LED - Amber | Indicates that the system is in sleep mode |
| | HDD LED | LED - Amber | Indicates HDD activity |
| | | LED - Off | Indicates no HDD activity |
| | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| 3. | RJ45 console port | RJ45 console connection | Allows RJ45 console devices to connect to the system |

| | | | |
|-------------------------|-------------------------------|--------------------------------|---|
| 4. | USB ports | USB 3.0 ports (x2) | Allows USB devices to connect to the system |
| 5. | 1 Gb Ethernet ports | 1 GbE copper (RJ45) ports (x2) | Logical Assignment Port 0:1 map to ETH0:ETH1 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| | | Reset LoadMaster | System reset |
| 6. | Reset | Reset LoadMaster | System reset |
| | | 10 Gbps SFP+ ports (x8) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 2:9 map to ETH2:ETH9 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 7. | 10 Gb Fiber SFP+ ports | 10 Gbps SFP+ ports (x8) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 2:9 map to ETH2:ETH9 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| | | 8. | 40 Gb Fiber QSFP+ ports |
| Activity LED - Blinking | Indicates network activity | | |
| Activity LED - Off | Indicates no network activity | | |
| Link LED - On | Link - connection established | | |
| Link LED - Off | No link (cable disconnected) | | |

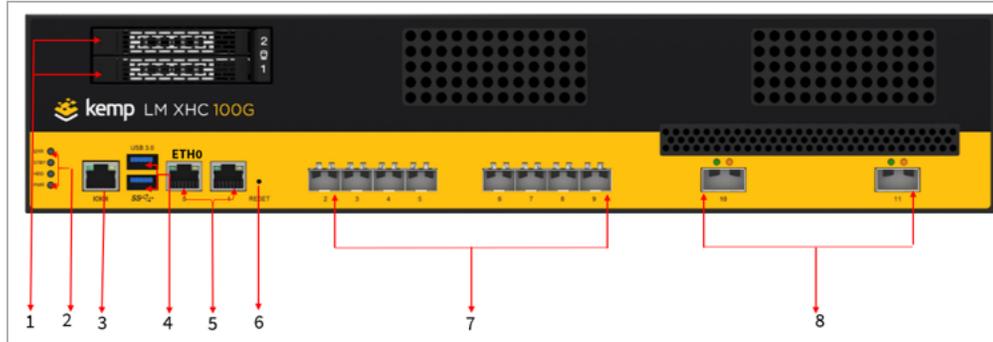
Port Location - Real Panel



| Item No. | Item | Description | Notes |
|----------|----------------------------|---------------------------------|---|
| 9. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 10. | Power switch | On/off switch | Press to power on or power off the system |
| 11. | USB ports | USB 2.0 ports (x2) | Allows USB devices to connect to the system |
| 12. | Dual Hot-Swap Power Supply | 700W 1+1 redundant power supply | Power source for the system. Refer to row 2 in the table above for LED status indicators. |
| | | LED - Green | Indicates power on mode |
| | | LED - Blinking green | Indicates standby mode |
| | | LED - Amber | Indicates loss of power supply redundancy and/or issue with power supply |

2.8 LoadMaster LM XHC 100G

Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|-------------------|--|---|
| 1. | RAID (Dual HDD) | RAID 1 (mirroring) Hot-Swap Disk (x2) | Disk mirroring - replicating of data to two or more disks |
| | | HDD LED - Green | Indicates HDD operating normal |
| | | HDD LED - Red | Indicates possible HDD issue (contact Kemp Customer Support) |
| | | Rebuild LED - Blinking amber | Indicates HDD rebuilding process (could take several hours to complete) |
| 2. | ERR LED | Error LED - Red | Indicates that the system is experiencing an error during operation (contact Kemp Customer Support) |
| | STBY LED | Standby LED - Amber | Indicates that the system is in sleep mode |
| | HDD LED | LED - Amber | Indicates HDD activity |
| | | LED - Off | Indicates no HDD activity |
| | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| 3. | RJ45 console port | RJ45 console connection | Allows RJ45 console devices to connect to the system |
| 4. | USB ports | USB 3.0 ports (x2) | Allows USB devices to connect to the system |

| | | | | |
|----|---------------------------|--------------------------------|---|-------------------------------|
| 5. | 1 Gb Ethernet ports | 1 GbE copper (RJ45) ports (x2) | Logical Assignment Port 0:1 map to ETH0:ETH1 | |
| | | Activity LED - Blinking | Indicates network activity | |
| | | Activity LED - Off | Indicates no network activity | |
| | | Link LED - On | Link - connection established | |
| | | Link LED - Off | No link (cable disconnected) | |
| 6. | Reset | Reset LoadMaster | System reset | |
| 7. | 10 Gb Fiber SFP+ ports | 10 Gbps SFP+ ports (x8) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 2:9 map to ETH2:ETH9 | |
| | | | Activity LED - Blinking | Indicates network activity |
| | | | Activity LED - Off | Indicates no network activity |
| | | | Link LED - On | Link - connection established |
| | | | Link LED - Off | No link (cable disconnected) |
| 8. | 100 Gb Fiber QSFP28 ports | 100 Gb Fiber QSFP28 ports (x2) | Requires QSFP28 transceiver modules (purchase from Kemp) Logical Assignment Port 10:11 map to ETH10:ETH11 | |
| | | | Activity LED - Blinking | Indicates network activity |
| | | | Activity LED - Off | Indicates no network activity |
| | | | Link LED - On | Link - connection established |
| | | | Link LED - Off | No link (cable disconnected) |

Port Location - Real Panel



| Item No. | Item | Description | Notes |
|----------|----------------------------|---------------------------------|---|
| 9. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 10. | Power switch | On/off switch | Press to power on or power off the system |
| 11. | USB ports | USB 2.0 ports (x2) | Allows USB devices to connect to the system |
| 12. | Dual Hot-Swap Power Supply | 700W 1+1 redundant power supply | Power source for the system. Refer to row 2 in the table above for LED status indicators. |
| | | LED - Green | Indicates power on mode |
| | | LED - Blinking green | Indicates standby mode |
| | | LED - Amber | Indicates loss of power supply redundancy and/or issue with power supply |

2.9 LoadMaster LM 8020-FIPS

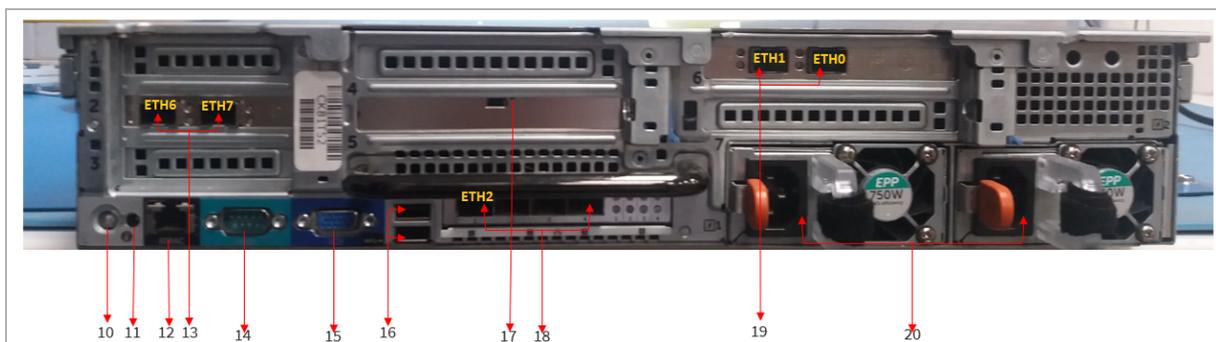
Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|---------------------------------|---|---|
| 1. | Power on indicator/Power button | LED - Green | Indicates power on |
| | | LED - Off | Indicates power off |
| 2. | NMI button | Not used | Not used |
| 3. | System identification button | LED - Blinking | When pressed on either the front or rear panel, it flashes to locate the system in the rack. Press the button again to stop flashing. |
| 4. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 5. | LCD Menu buttons | Allows you to navigate the control panel LCD menu | |
| 5a. | LCD Left button | Moves the cursor back in one-step increments | |
| 5b. | LCD Select button | Selects the menu item highlighted by the cursor | |

| | | | |
|-----|-------------------------|---|---|
| 5c. | LCD Right button | Moves the cursor forward in one-step increments | |
| 6. | LCD panel | Displays the system ID, status information, and system error messages | |
| | | LCD backlight Blue | Indicates normal system operation |
| | | LCD backlight Amber | Indicates system error and displays the error code |
| | | LCD backlight Off | Indicates system in standby mode. You can turn it on by pressing any of the LCD Menu buttons. |
| 7. | SD card slot for vFlash | Not used | Not used |
| 8. | USB Ports | USB 2.0 Ports (x2) | Allows you to connect USB devices to the system |
| 9. | System service tag | A slide out label indicating the system service tag, MAC address, and NIC | |

Port Location - Back Panel



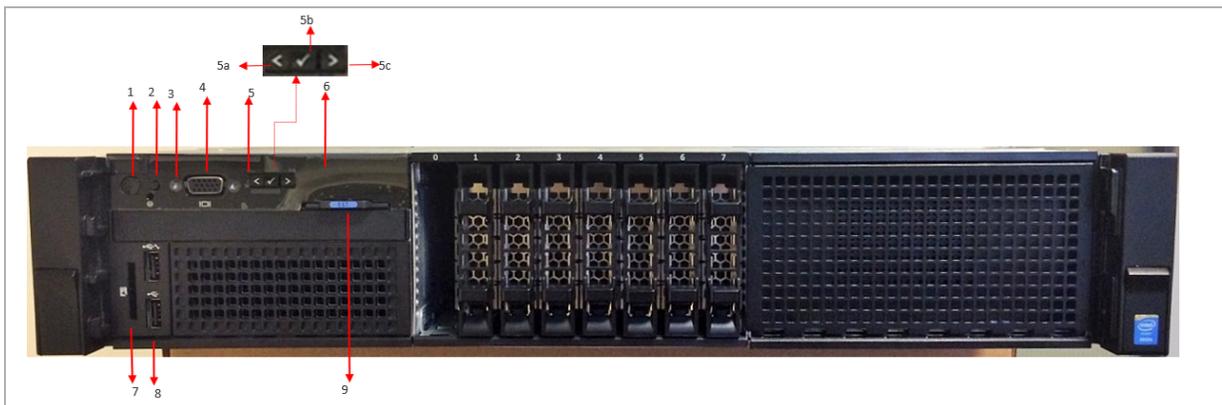
| Item No. | Item | Description | Notes |
|----------|------|-------------|-------|
|----------|------|-------------|-------|

| | | | |
|-----|---------------------------------|-------------------------------|--|
| 10. | System identification button | LED - Blinking | When pressed on either the front or rear panel, flashes to locate the system in the rack. Press the button again to stop flashing. |
| 11. | System identification connector | Not used | Not used |
| 12. | iDRAC8 port | Not used | Not used |
| 13. | 10Gb Fiber SFP+ Ports | 10Gb SFP+ Ports (x2) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 6:7 map to ETH6:ETH7 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 14. | Serial Console Port | Serial console data interface | Used to connect a serial crossover cable to a console |
| 15. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 16. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 17. | 10Gb Fiber SFP+ Ports | 10 Gb SFP+ Ports (x2) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 2:5 map to ETH2:ETH5 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |

| | | | |
|-----|----------------------------|---------------------------------|---|
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 18. | 10Gb Fiber SFP+ Ports | 10 Gb SFP+ Ports (x2) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 1:0 map to ETH1:ETH0 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 19. | Dual Hot-Swap Power Supply | 750W 1+1 redundant power supply | Power source for the system, refer to item 1 for status LED Indicators. |
| | | LED - Green | Indicates operating mode |
| | | LED - Blinking amber | Indicates fault mode |

2.10 LoadMaster LM-8020 and LM-8020M

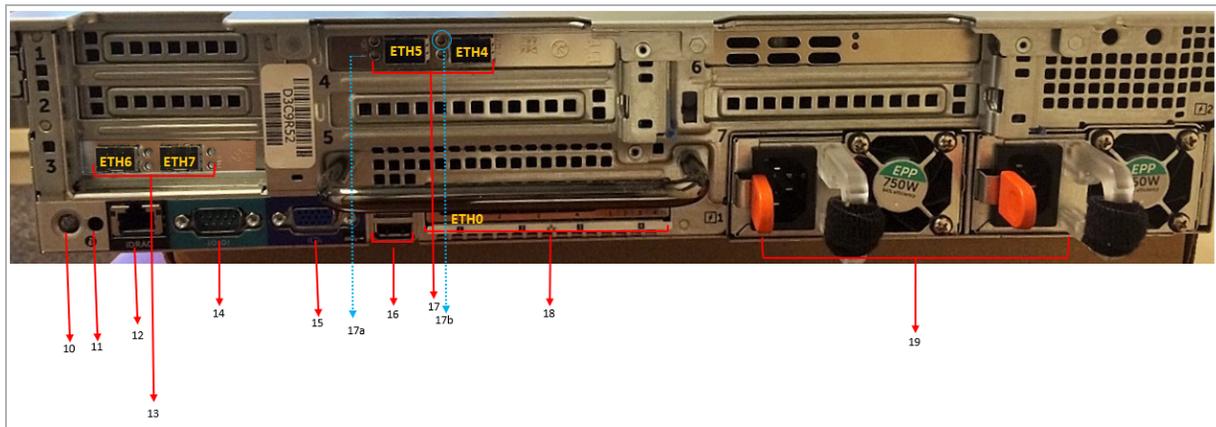
Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|---------------------------------|--|---|
| 1. | Power on indicator/power button | LED - Green | Indicates power on |
| | | LED - Off | Indicates power off |
| 2. | NMI button | Not used | Not used |
| 3. | System identification button | LED - Blinking | When pressed on either the front or rear panel, it flashes to locate the system in the rack. Press the button again to stop flashing. |
| 4. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 5. | LCD Menu buttons | Allows you to navigate the control panel LCD menu | |
| 5a. | LCD Left button | Moves the cursor back in one-step increments | |
| 5b. | LCD Select button | Selects the menu item highlighted by the cursor | |
| 5c. | LCD Right button | Moves the cursor forward in one-step increments | |
| 6. | LCD panel | Displays the system ID, status information, and system error messages. | |
| | | LCD backlight Blue | Indicates normal system operation |
| | | LCD backlight Amber | Indicates a system error and displays the error code |
| | | LCD backlight Off | Indicates that the |

| | | | |
|----|-------------------------|--|--|
| | | | system is in standby mode. You can turn the system on by pressing any of the LCD Menu buttons. |
| 7. | SD card slot for vFlash | Not used | Not used |
| 8. | USB Ports | USB 2.0 Ports (x2) | Allows you to connect USB devices to the system |
| 9. | System service tag | A slide out label indicating the system service tag, MAC address, and NIC. | |

Port Location – Rear Panel

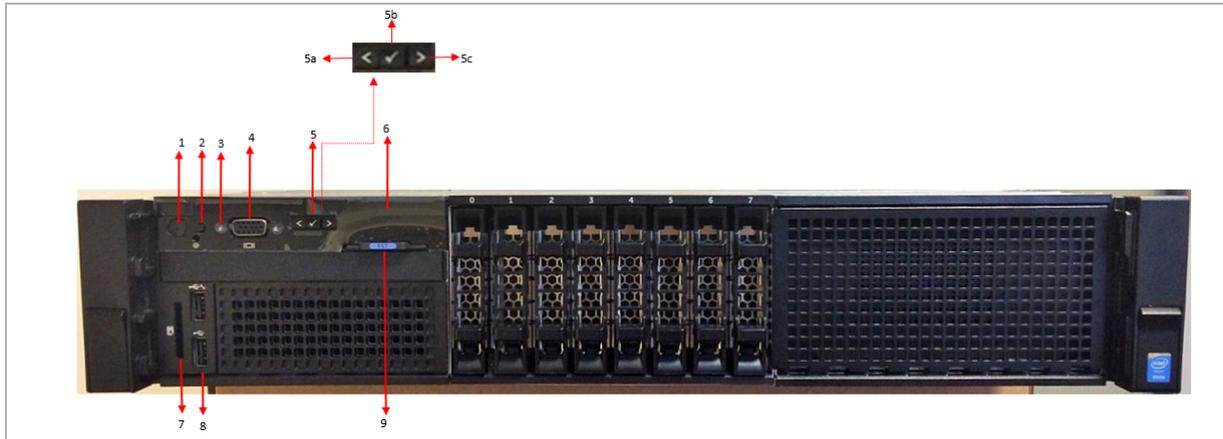


| Item No. | Item | Description | Notes |
|----------|---------------------------------|-------------------------------|---|
| 10. | System identification button | LED - Blinking | When pressed on either the front or rear panel, it flashes to locate the system in the rack. Press the button again to stop flashing. |
| 11. | System identification connector | Not used | Not used |
| 12. | iDRAC8 port | Not used | Not used |
| 13. | 10 Gb Fiber SFP+ Ports | 10 Gb SFP+ Ports (x2) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 6:7 map to ETH6:ETH7 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 14. | Serial Console Port | Serial console data interface | Used to connect a serial crossover cable to a console |

| | | | |
|-----|----------------------------|---------------------------------|---|
| 15. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 16. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 17. | 10 Gb Fiber SFP+ Ports | 10 Gb SFP+ Ports (x4) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 5:4 map to ETH5:ETH4 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 18. | 10 Gb Fiber SFP+ Ports | 10 Gb SFP+ Ports (x2) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 0:4 map to ETH0:ETH4 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 19. | Dual Hot-Swap Power Supply | 750W 1+1 redundant power supply | Power source for the system, refer to item 1 for status LED Indicators. |
| | | LED - Green | Indicates operating mode |
| | | LED - Blinking amber | Indicates fault mode |

2.11 LoadMaster LM-8000 and 8010-MT

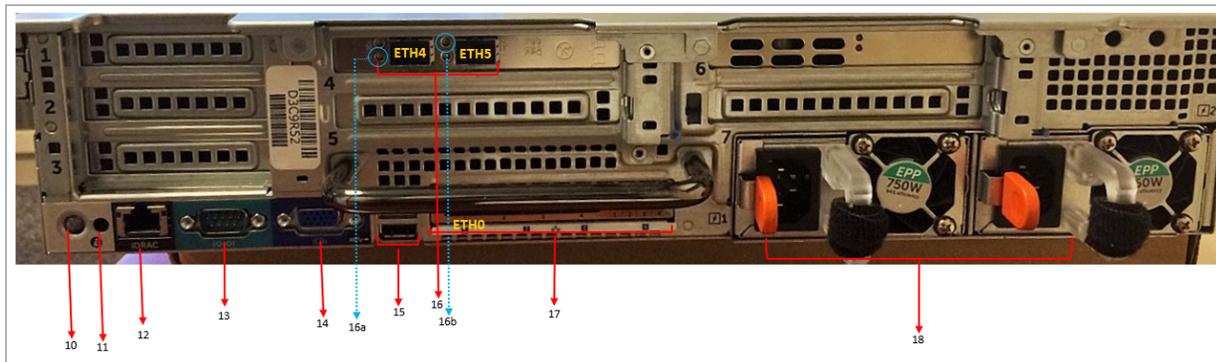
Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|---------------------------------|---|--|
| 1. | Power on indicator/power button | LED - Green | Indicates power on |
| | | LED - Off | Indicates power off |
| 2. | NMI button | Not used | Not used |
| 3. | System identification button | LED - Blinking | When pressed on either the front or rear panel, flashes to locate the system in the rack. Press the button again to stop flashing. |
| 4. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 5. | LCD Menu buttons | Allows you to navigate the control panel LCD menu | |
| 5a. | LCD Left button | Moves the cursor back in one-step increments | |
| 5b. | LCD Select button | Selects the menu item highlighted by the cursor | |

| | | | |
|-----|-------------------------|--|--|
| 5c. | LCD Right button | Moves the cursor forward in one-step increments | |
| 6. | LCD panel | Displays system ID, status information, and system error messages. | |
| | | LCD backlight Blue | Indicates normal system operation |
| | | LCD backlight Amber | Indicates system error and displays the error code |
| | | LCD backlight off | Indicates system in standby mode. Turn on by pressing any of the LCD Menu buttons. |
| 7. | SD card slot for vFlash | Not used | Not used |
| 8. | USB Ports | USB 2.0 Ports (x2) | Allows you to connect USB devices to the system |
| 9. | System service tag | A slide out label indicating the system service tag, MAC address, and NIC. | |

Port Location – Rear panel

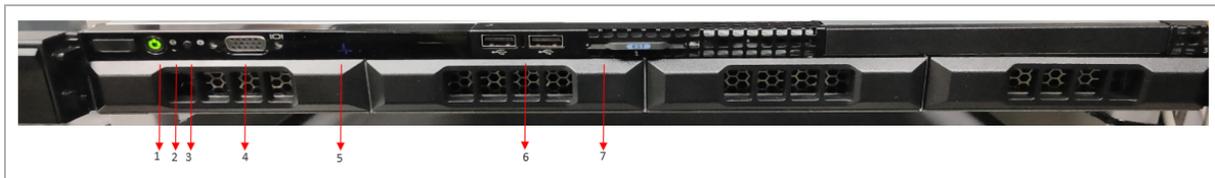


| Item No. | Item | Description | Notes |
|----------|---------------------------------|-------------------------------|---|
| 10. | System identification button | LED - Blinking | When pressed on either the front or rear panel, it flashes to locate the system in the rack. Press the button again to stop flashing. |
| 11. | System identification connector | Not used | Not used |
| 12. | iDRAC8 port | Not used | Not used |
| 13. | Serial Console Port | Serial console data interface | Used to connect a serial crossover cable to a console |
| 14. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 15. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 16. | 10 Gb Fiber SFP+ Ports | 10 SFP+ Ports (x4) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 4:5 map to ETH4:ETH5 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |

| | | | |
|-----|----------------------------|------------------------------------|---|
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 17. | 10 Gb Fiber SFP+ Ports | 10 Gbps SFP+ Ports (x4) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 0:3 map to ETH0:ETH3 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 18. | Dual Hot-Swap Power Supply | 495W 1+1 redundant AC power supply | Power source for the system, refer to item 1 for status LED Indicators. |
| | | LED - Green | Indicates operating mode |
| | | LED - Blinking amber | Indicates fault mode |

2.12 LoadMaster LM-5600 and LM-5610-MT

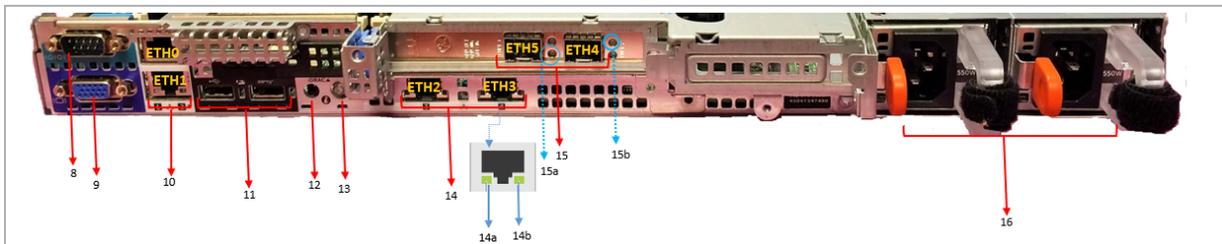
Port Location – Front Panel



| Item No. | Item | Description | Notes |
|----------|---------------------------------|-------------|--------------------|
| 1. | Power on indicator/power button | LED - Green | Indicates power on |

| | | | |
|----|------------------------------|---|---|
| | | LED - Off | Indicates power off |
| 2. | NMI button | Not used | Not used |
| 3. | System identification button | LED - Blinking | When pressed on either the front or rear panel, it flashes to locate the system in the rack. Press the button again to stop flashing. |
| 4. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 5. | Diagnostic indicator | The diagnostic indicator lights up to display error status | |
| 6. | USB Ports | USB 2.0 Ports (x2) | Allows you to connect USB devices to the system |
| 7. | System service tag | A slide out label indicating the system service tag, MAC address, and NIC | |

Port Location - Rear Panel



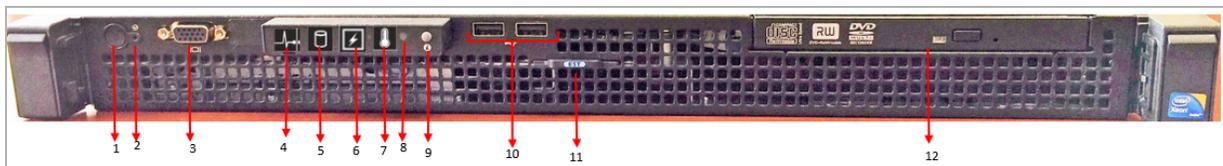
| Item No. | Item | Description | Notes |
|----------|---------------------|--------------------------------|---|
| 8. | Serial Console Port | Serial console data interface | Used to connect a serial crossover cable to a console |
| 9. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 10. | 1 Gb Ethernet ports | 1 GbE Copper (RJ45) Ports (x2) | Logical Assignment Port 0:1 map to |

| | | | |
|-----|------------------------------|--------------------------------|--|
| | | | ETH0:ETH1 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 11. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 12. | System status indicator | LED - Blue | Indicates normal system operation |
| | | LED - Amber blinking | Indicates that the system has an error and needs attention |
| 13. | System identification button | LED - Blinking | When pressed on either the front or rear panel, flashes to locate the system in the rack. Press the button again to stop flashing. |
| 14. | 1 Gb Ethernet Ports | 1 GbE Copper (RJ45) ports (x2) | Logical Assignment Port 2:3 map to ETH2:ETH3 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |

| | | | |
|-----|----------------------------|---------------------------------|--|
| | | Link LED - Off | No link (cable disconnected) |
| 15. | 10 Gb Fiber SFP+ Ports | 10 Gbps Fiber SFP+ Ports (x2) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 4:5 map to ETH4:ETH5 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 16. | Dual Hot-Swap Power Supply | 550W 1+1 redundant power supply | Power source for the system, refer to item 1 for status LED Indicators. |
| | | LED - Green | Indicates operating mode |
| | | LED - Blinking amber | Indicates fault mode |

2.13 LoadMaster LM-4000

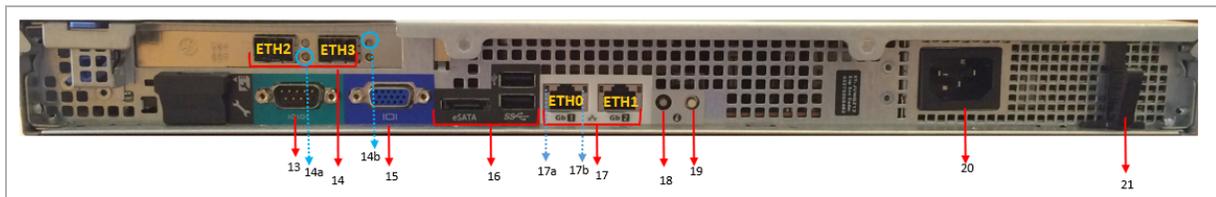
Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|---------------------------------|------------------------|---|
| 1. | Power on indicator/power button | LED - Green | Indicates power on |
| | | LED - off | Indicates power off |
| 2. | NMI button | Not used | Not used |
| 3. | VGA port | Standard VGA interface | Used to connect a VGA monitor |
| 4. | Health indicator | LED - Blue | Indicates the system is on and in good health |
| | | LED - Blinks Amber | Indicates the system is on and an error exists or the system is in standby mode |
| 5. | Hard-drive Indicator | LED - Blinking green | Indicates hard drive activity |
| 6. | Electrical indicator | LED - Blinking amber | Indicates an electrical error such as a failed power supply or voltage out of range |
| 7. | Temperature indicator | LED - Blinking amber | Indicates a thermal error such as a fan |

| | | | |
|-----|---|---|---|
| | | | failure or temperature out of range |
| 8. | System status indicator | LED - Blue | Indicates normal system operation |
| | | LED - Blinks amber | Indicates the system has an error and needs attention |
| 9. | System identification button | When pressed on either the front or rear panel, it flashes to locate the system in the rack. Press the button again to stop flashing. | |
| 10. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 11. | System service tag | A slide out label indicating the system service tag, MAC address, and NIC. | |
| 12. | DVD optical drive (will not be included in any future orders) | Optional SATA DVD +/- RW drive | |

Port Location - Rear Panel



| Item No. | Item | Description | Notes |
|----------|------|-------------|-------|
|----------|------|-------------|-------|



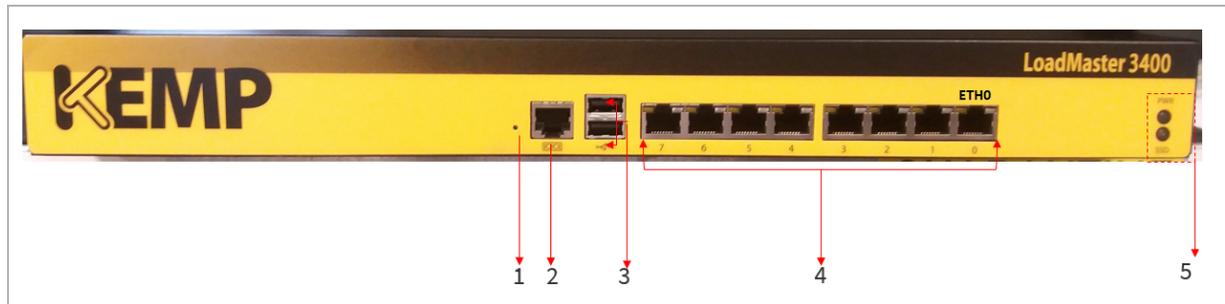
| | | | |
|-----|------------------------|--------------------------------|--|
| 13. | Serial Console Port | Serial console data interface | Used to connect a serial crossover cable to a console |
| 14. | 10 Gb Fiber SFP+ Ports | 10 Gbps Fiber SFP+ Ports (x2) | Requires SFP+ transceiver modules (purchase from Kemp) Logical Assignment Port 2:3 map to ETH2:ETH3 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 15. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 16. | eSATA + USB Ports | eSATA port (x1) | Allows to connect to additional storage devices |
| | | USB 2.0 ports (x2) | Allows you to connect USB devices to the system |
| 17. | 1 Gb Ethernet ports | 1 GbE Copper (RJ45) Ports (x2) | Logical Assignment Port 0:1 map to ETH0:ETH1 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no |



| | | | |
|-----|--------------------------------------|-------------------------|---|
| | | | network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 18. | System status indicator | LED - Blue | Indicates normal system operation |
| | | LED - Amber blinking | Indicates the system has an error and needs attention |
| 19. | System identification button | LED - Blinking | When pressed on either the front or rear panel, it flashes to locate the system in the rack. Press the button again to stop flashing. |
| 20. | Power supply | 250W AC power supply | Power source for the system, refer to item 1 for status LED Indicators. |
| 21. | Retention clip to secure power cable | Secures the power cable | |

2.14 LoadMaster LM-3400

Port Location – Front Panel



| Item No. | Item | Description | Notes |
|----------|---------------------|--------------------------------|--|
| 1. | Reset | Reset LoadMaster | System reset |
| 2. | RJ45 Console Port | RJ45 Console Connection | Allows RJ45 console devices to connect to the system |
| 3. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 4. | 1 Gb Ethernet Ports | 1 GbE Copper (RJ45) Ports (x8) | Logical Assignment Port 0:7 map to ETH0:ETH7 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| 5. | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| | SSD LED | LED - Amber blinking | Indicates read/write activity of the SSD |
| | | LED - Off | Indicates no activity of SSD |

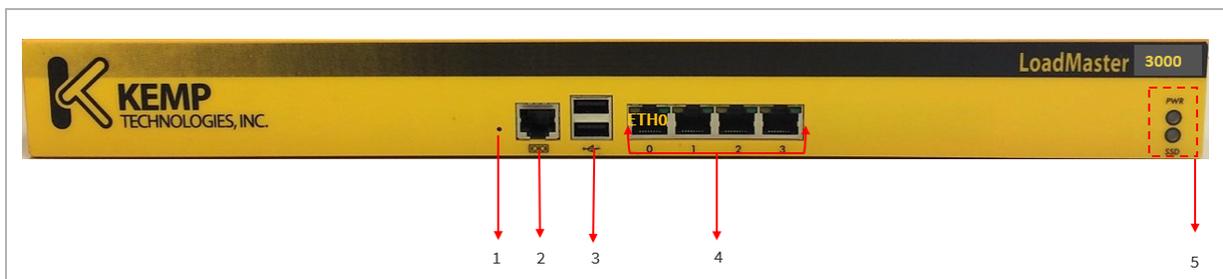
Port Location - Rear Panel



| Item No. | Item | Description | Notes |
|----------|--------------|------------------------|---|
| 6. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 7. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 8. | Power supply | 200W AC power supply | Power source for the system, refer to item 5 for status LED Indicators. |
| 9. | Power switch | On/off switch | Press to power on or power off the system |

2.15 LoadMaster LM-3000

Port Location - Front Panel



| Item No. | Item | Description | Notes |
|----------|-------------------|-------------------------|--|
| 1. | Reset | Reset LoadMaster | System reset |
| 2. | RJ45 console port | RJ45 Console Connection | Allows RJ45 console devices to connect to the system |



| | | | |
|----|---------------------|--------------------------------|---|
| 3. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 4. | 1 Gb Ethernet Ports | 1 GbE Copper (RJ45) Ports (x4) | Logical Assignment Port 0:3 map to ETH0:ETH3 |
| | | Activity LED - Blinking | Indicates network activity |
| | | Activity LED - Off | Indicates no network activity |
| | | Link LED - On | Link - connection established |
| | | Link LED - Off | No link (cable disconnected) |
| | | | |
| 5. | PWR LED | LED - Green | Power on indicator |
| | | LED - Off | Power off indicator |
| | SSD LED | LED - Amber blinking | Indicates read/write activity of the Solid State Disk (SSD) |
| | | LED - Off | Indicates no activity of the SSD |

Port Location - Rear Panel



| Item No. | Item | Description | Notes |
|----------|--------------|------------------------|---|
| 6. | VGA Port | Standard VGA interface | Used to connect a VGA monitor |
| 7. | USB Ports | USB 2.0 Ports (x2) | Allows USB devices to connect to the system |
| 8. | Power supply | 200W AC power supply | Power source for the system, refer to item 5 for status LED Indicators. |
| 9. | Power switch | On/off switch | Press to power on or power off the system |

Last Updated Date

This document was last updated on 22 March 2021.