Progress®
Kemp® LoadMaster®

Technical Note LoadMaster Physical to Logical Port Assignment

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Introduction

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

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

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- Document Purpose
- Intended Audience

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.

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.

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Logical Port Label Assignment

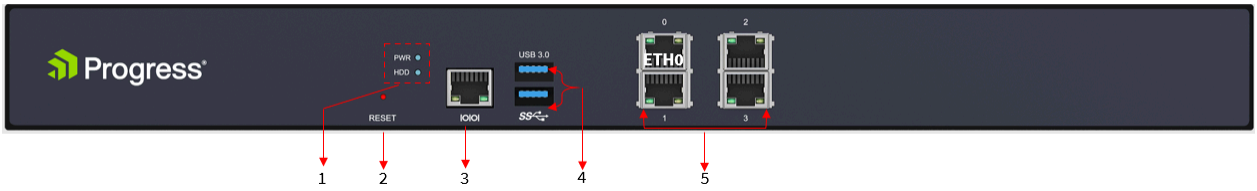
Refer to the sections below for details on the logical port label assignment.

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- LoadMaster LM-X1
- LoadMaster LM-X3-NG
- LoadMaster LM-X15-NG
- LoadMaster LM-X25-NG, LM-X25MT-NG, and LM-X40-NG
- LoadMaster LM-XHC20-NG (APAC only)
- LoadMaster LM-XHC30-NG and LM-XHC45-NG (APAC only)
- LoadMaster LM-XHC60-NG (APAC only)
- LoadMaster LM-XHC55-NG, LM-XHC75-NG, and LM-XHC100-NG
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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 – Flashing yellow	Indicates read/write activity of the HDD
		LED – Off	Indicates no activity of HDD
2.	Reset	Reset LoadMaster	System reset
3.	Console port	Used to connect console devices	Used to connect to the console
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)

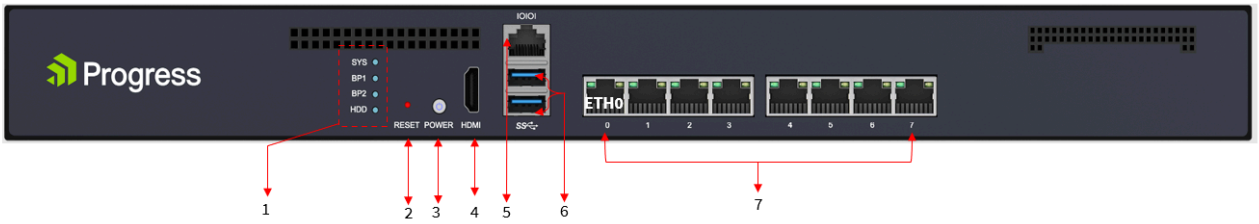
Port Location - Rear Panel



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

LoadMaster LM-X3-NG

Port Location - Front Panel



Item No.	Item	Description	Notes
1.	SYS LED	LED – Green	Power on indicator
		LED – Off	Power off indicator
	PB1 LED	Not used	Not used
	PB2 LED	Not used	Not used
	HDD LED	LED – Blinking amber	Indicates HDD activity
		LED – Off	Indicates no HDD activity
2.	Reset	Reset LoadMaster	System reset
3.	Power button	Used to power on or off the unit	Blue - On Red - Off
4.	HDMI connector	High-Definition Multimedia Interface	Used to connect HD monitor
5.	Console ports	Used to connect console devices	Used to connect to the console
6.	USB ports	USB 3.0 ports (x2)	Allows USB devices to connect to the system

Item No.	Item	Description	Notes
7.	1Gb copper Ethernet ports (8)	1GbE 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 1G and 10/100MB
		Link LED – Off	Indicates no link

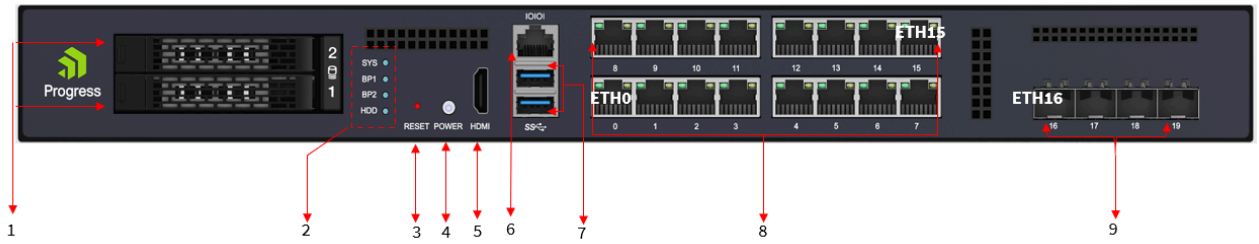
Port Location - Rear Panel



Item No.	Item	Description	Notes
8.	Power supply	300W AC power supply	
9.	Power switch	On/off switch	Press to power on or hold until the device powers off

LoadMaster LM-X15-NG

Port Location - Front Panel



Item No.	Item	Description	Notes
1.	RAID (Dual HDD)	RAID 0 (mirroring) Hot-Swap Disk (x2)	Disk mirroring - replicating of data to two or more disks

Item No.	Item	Description	Notes
		HDD LED - Green	Indicates HDD is operating normally
		HDD LED - Red	Indicates possible HDD issue (contact Progress Kemp Customer Support)
		Rebuild LED - Blinking amber	Indicates HDD rebuilding process (could take several hours to complete)
2.	SYS LED	LED – Green	Power on indicator
		LED – Off	Power off indicator
	PB2 LED	Not used	Not used
	PB1 LED	Not used	Not used
	HDD LED	LED – Amber	Indicates HDD activity
		LED – Off	Indicates no HDD activity
3.	Reset	Reset LoadMaster	Software reset
4.	Power button	Used to power on or off the unit	Blue - On Red - Off
5.	HDMI connector	High-Definition Multimedia Interface	Used to connect HD monitor
6.	Micro USB type console ports	Used to connect console devices	Used to connect to the console
7.	USB ports	USB 3.0 ports (x2)	Allows USB devices to connect to the system
8.	1Gb Ethernet ports	1GbE 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)
9.	10Gb Fibre SFP+ ports	10Gbps Fibre SFP+ Ports (x4)	Requires SFP+ transceiver modules (purchase from Progress Kemp) Logical Assignment Port 16:19 map to ETH16:ETH19
		Activity LED - Blinking	Indicates network activity

Item No.	Item	Description	Notes
		Activity LED - Off	Indicates no network activity
		Link LED - On	Link - connection established
		Link LED - Off	No link (cable disconnected)

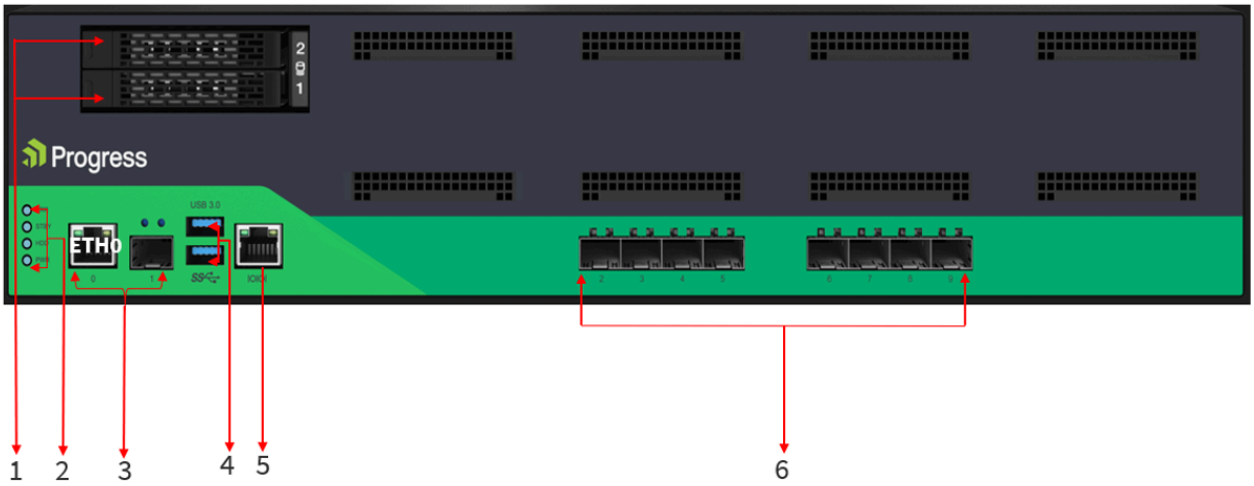
Port Location - Rear Panel



No	Item	Description	Notes
10.	Dual Hot-Swap power supply	450W 1+1 redundant power supply	Contact Progress Kemp Customer Support before removing power supplies
		LED - Green	Indicates power on mode
		LED - Blinking green	Indicates standby mode
		LED - Blinking red with a high pitched sound	Indicates a loss of power supply redundancy and/or an issue with the power supply

LoadMaster LM-X25-NG, LM-X25MT-NG, and LM-X40-NG

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 Progress Kemp Customer Support)
		Rebuild LED - Blinking amber	Indicates HDD rebuilding process (could take several hours to complete)
2.	ERR LED	Error LED - off	Indicates that the Power Supply Unit (PSU) status is normal
		Error LED - red (blinking)	Indicates PSU failure - either one or both (contact Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates always-on
	HDD LED	LED - Green (blinking)	Indicates HDD read/write activity
		LED - Off	Indicates no data transferring
	PWR LED	LED - Green	Power on indicator
		LED - Red (blinking)	Indicates hardware monitor abnormality (contact Progress Kemp Customer Support)
		LED - Off	Power off indicator
3.	1 Gb Ethernet ports	1 GbE copper (RJ45) ports (x1) Fibre (SFP) port (x1)	Logical Assignment Port 0:1 map to ETH0:ETH1
		Activity LED - Blinking	Indicates network activity

Item No.	Item	Description	Notes
		Activity LED - Off	Indicates no network activity
4.	USB ports	USB 3.0 ports (x2)	Allows USB devices to connect to the system
5.	Console port	Console connection	Allows console devices to connect to the system
6.	10Gb Fibre SFP+ Ports	10 Gb SFP+ Ports (x8)	Requires SFP+ modules (purchase from Progress 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 - continuously illuminated
		Link LED - Off	No link (cable disconnected)

Port Location - Rear Panel

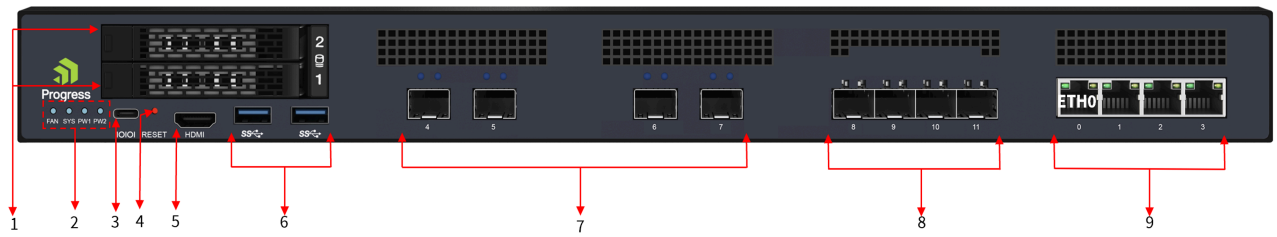


Item No.	Item	Description	Notes
8.	VGA port	Standard VGA interface	Used to connect a VGA monitor
9.	Power switch	On/off switch	Press to power on or hold until the device powers off
10.	Dual Hot-Swap Power Supply	1300W 1+1 redundant power supply	Power source for the system, refer to item 2 for status 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

LoadMaster LM-XHC20-NG (APAC only)

Note: The LoadMaster LM-XHC20-NG hardware is only available in the Asia-Pacific (APAC) region.

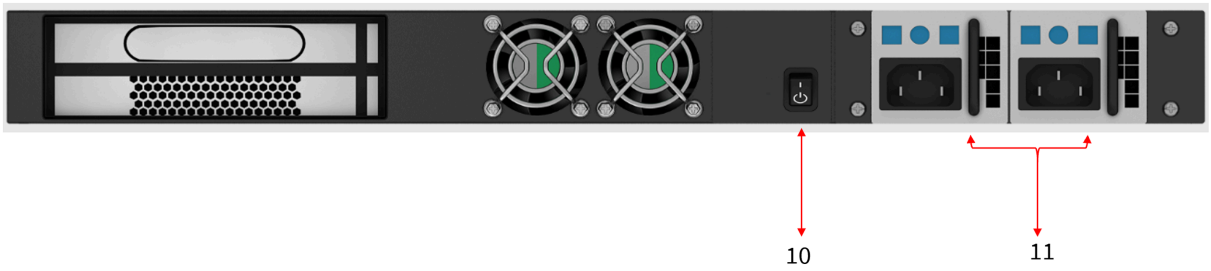
Port Location - Front Panel



Item No.	Item	Description	Notes
1.	RAID (Dual HDD)	RAID 0 (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 Progress Kemp Customer Support)
		Rebuild LED - Blinking amber	Indicates HDD rebuilding process (could take several hours to complete)
2.	ERR LED	Error LED - off	Indicates that the Power Supply Unit (PSU) status is normal
		Error LED - red (blinking)	Indicates PSU failure - either one or both (contact Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates always-on
	HDD LED	LED - Green (blinking)	Indicates HDD read/write activity
		LED - Off	Indicates no data transferring
	PWR LED	LED - Green	Power on indicator
		LED - Red (blinking)	Indicates hardware monitor abnormality (contact Progress Kemp Customer Support)
		LED - Off	Power off indicator
3.	USB-C type Console Port	Used to connect console devices with USB-C type connection	Used to connect console
4.	Reset	Reset the LoadMaster	Software reset

Item No.	Item	Description	Notes
5.	HDMI connector	High-Definition Multimedia Interface	Used to connect a HD monitor
6.	USB ports	USB 3.0 ports (x2)	Allows USB devices to connect to the system
7.	25 Gb Fibre SFP28 ports	25 Gb Fibre SFP28 ports (x4)	Requires SFP28 transceiver modules (purchase from Progress Kemp) Logical Assignment Port 4:7 map to ETH4:ETH7
		Activity LED - Blinking	Indicates network activity
		Activity LED - Off	Indicates no network activity
		Link LED - On	Link - Continuously illuminated
		Link LED - Off	No link (cable disconnected)
8.	10 Gb Fibre SFP+ Ports	10 Gbps Fibre SFP+ Ports (x4)	Requires SFP+ modules (purchase from Progress Kemp) Logical Assignment Port 8:11 map to ETH8:ETH11
		Activity LED - Blinking	Indicates network activity
		Activity LED - Off	Indicates no network activity
		Link LED - On	Link - Continuously illuminated
		Link LED - Off	No link (cable disconnected)
9.	1 Gb Ethernet Ports	1 GbE Copper (RJ-45) 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 - Continuously illuminated
		Link LED - Off	No link (cable disconnected)

Port Location - Rear Panel

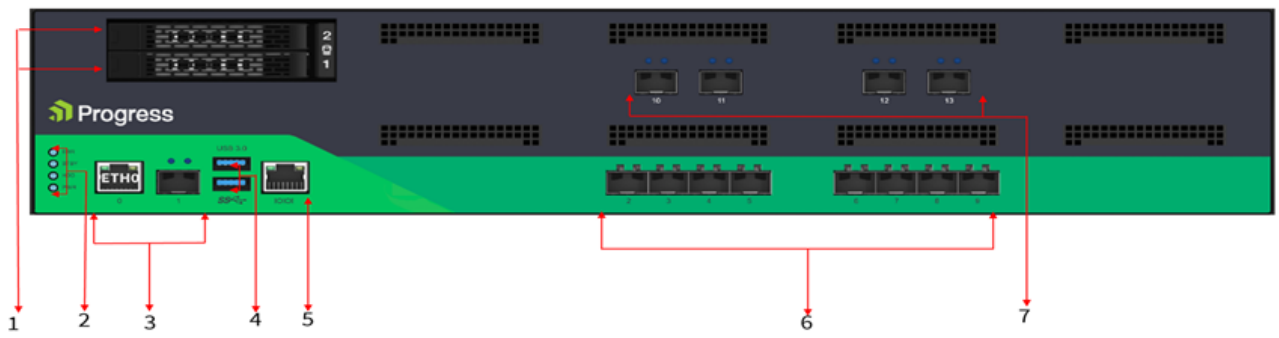


Item No.	Item	Description	Notes
10.	Power switch	On/off switch	Press to power on or hold until the device powers off
11.	Dual Hot-Swap Power Supply	550W 1+1 redundant power supply	Contact Progress Kemp Customer Support before removing Power Supplies
		LED - Green	Indicates power on mode
		LED - Blinking green	Indicates standby mode
		LED - Blinking Red with high pitch sound	Indicates loss of power supply redundancy and/or issue with power supply

LoadMaster LM-XHC30-NG and LM-XHC45-NG (APAC only)

Note: The LoadMaster LM-XHC30-NG and LM-XHC45-NG hardware is only available in the Asia-Pacific (APAC) region.

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 Progress Kemp Customer Support)
		Rebuild LED - Blinking amber	Indicates HDD rebuilding process (could take several hours to complete)
2.	ERR LED	Error LED - off	Indicates that the Power Supply Unit (PSU) status is normal
		Error LED - red (blinking)	Indicates PSU failure - either one or both (contact Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates always-on
	HDD LED	LED - Green (blinking)	Indicates HDD read/write activity
		LED - Off	Indicates no data transferring
	PWR LED	LED - Green	Power on indicator
		LED - Red (blinking)	Indicates hardware monitor abnormality (contact Progress Kemp Customer Support)
		LED - Off	Power off indicator
3.	1 Gb Ethernet ports	1 GbE copper (RJ45) ports (x1) Fibre (SFP) port (x1)	Logical Assignment Port 0:1 map to ETH0:ETH1
		Activity LED - Blinking	Indicates network activity
		Activity LED - Off	Indicates no network activity
4.	USB ports	USB 3.0 ports (x2)	Allows USB devices to connect to the system
5.	Console port	Console connection	Allows console devices to connect to the system
6.	10 Gb Fibre SFP+ Ports	10 Gb SFP+ Ports (x8)	Requires SFP+ modules (purchase from Progress Kemp) Logical Assignment Port 2:9 map to ETH2:ETH9
		Activity LED - Blinking	Indicates network activity
		Activity LED - Off	Indicates no network activity

Item No.	Item	Description	Notes
		Link LED - On	Link - Continuously illuminated
		Link LED - Off	No link (cable disconnected)
7.	25 Gb Fibre SFP28 ports	25 Gb Fibre SFP28 ports (x4)	Requires SFP28 transceiver modules (purchase from Progress 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 - Rear Panel

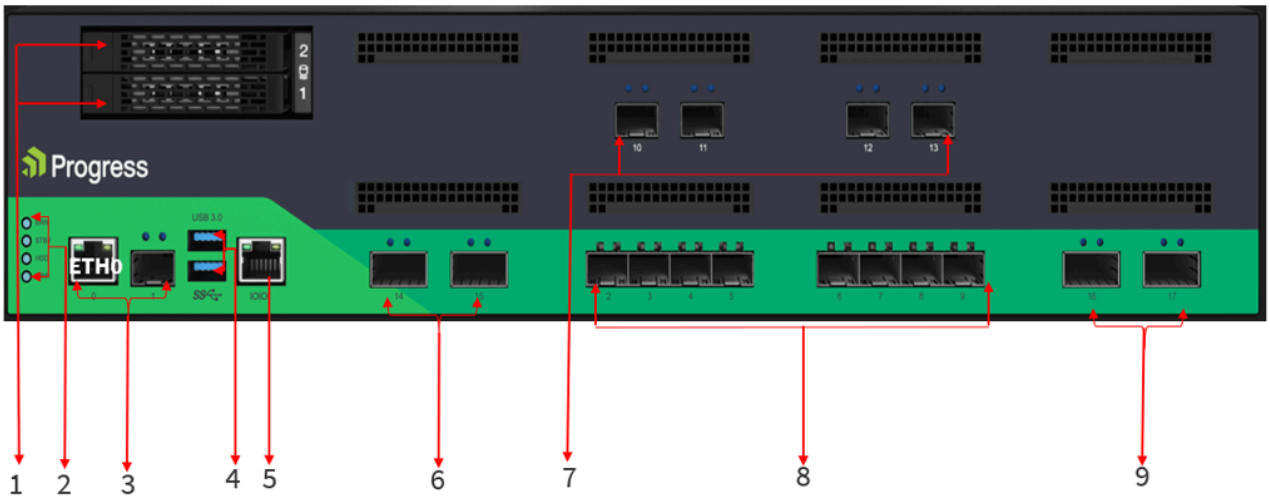


Item No.	Item	Description	Notes
8.	VGA port	Standard VGA interface	Used to connect a VGA monitor
9.	Power switch	On/off switch	Press to power on or hold until the device powers off
10.	Dual Hot-Swap Power Supply	1300W 1+1 redundant power supply	Power source for the system, refer to item 2 for status 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

LoadMaster LM-XHC60-NG (APAC only)

Note: The LoadMaster LM-XHC60-NG hardware is only available in the Asia-Pacific (APAC) region.

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 Progress Kemp Customer Support)
		Rebuild LED - Blinking amber	Indicates HDD rebuilding process (could take several hours to complete)
2.	ERR LED	Error LED - off	Indicates that the Power Supply Unit (PSU) status is normal
		Error LED - red (blinking)	Indicates PSU failure - either one or both (contact Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates always-on
	HDD LED	LED - Green (blinking)	Indicates HDD read/write activity
		LED - Off	Indicates no data transferring
	PWR LED	LED - Green	Power on indicator
		LED - Red (blinking)	Indicates hardware monitor abnormality (contact

Item No.	Item	Description	Notes
			Progress Kemp Customer Support)
		LED - Off	Power off indicator
3.	1 Gb Ethernet ports	1 GbE copper (RJ45) ports (x1) Fibre (SFP) port (x1)	Logical Assignment Port 0:1 map to ETH0:ETH1
		Activity LED - Blinking	Indicates network activity
		Activity LED - Off	Indicates no network activity
4.	USB ports	USB 3.0 ports (x2)	Allows USB devices to connect to the system
5.	Console port	Console connection	Allows console devices to connect to the system
6.	100 Gb Fibre QSFP28 Ports	100 Gb Fibre QSFP28 ports (x2)	Requires QSFP28 transceiver modules (purchase from Progress Kemp) Logical Assignment Port 14:15 map to ETH14: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.	25 Gb Fibre SFP28 ports	25 Gb Fibre SFP28 ports (x4)	Requires SFP28 transceiver modules (purchase from Progress 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)
8.	10 Gb Fibre SFP+ Ports	10 Gb SFP+ Ports (x8)	Requires SFP+ modules (purchase from Progress Kemp) Logical Assignment

Item No.	Item	Description	Notes
			Port 2:9 map to ETH2:ETH9
		Activity LED - Blinking	Indicates network activity
		Activity LED - Off	Indicates no network activity
		Link LED - On	Link - Continuously illuminated
		Link LED - Off	No link (cable disconnected)
9.	100 Gb Fibre QSFP28 ports	100 Gb Fibre QSFP28 ports (x2)	Requires QSFP28 transceiver modules (purchase from Progress Kemp) Logical Assignment Port 16:17 map to ETH16:ETH17
		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

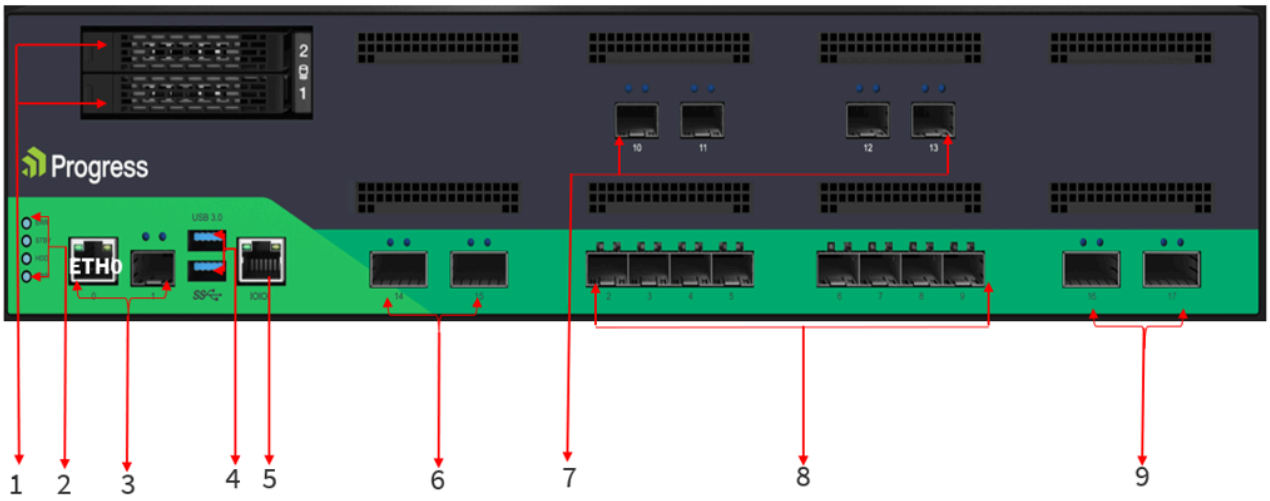


Item No.	Item	Description	Notes
10.	VGA port	Standard VGA interface	Used to connect a VGA monitor
11.	Power switch	On/off switch	Press to power on or hold until the device powers off
12.	Dual Hot-Swap	1300W 1+1 redundant	Power source for the system, refer to item 2 for status

Item No.	Item	Description	Notes
	Power Supply	power supply	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

LoadMaster LM-XHC55-NG, LM-XHC75-NG, and LM-XHC100-NG

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 Progress Kemp Customer Support)
		Rebuild LED - Blinking amber	Indicates HDD rebuilding process (could take several hours to complete)
2.	ERR LED	Error LED - off	Indicates that the Power Supply Unit (PSU) status is normal

Item No.	Item	Description	Notes
		Error LED - red (blinking)	Indicates PSU failure - either one or both (contact Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates always-on
	HDD LED	LED - Green (blinking)	Indicates HDD read/write activity
		LED - Off	Indicates no data transferring
	PWR LED	LED - Green	Power on indicator
		LED - Red (blinking)	Indicates hardware monitor abnormality (contact Progress Kemp Customer Support)
		LED - Off	Power off indicator
3.	1 Gb Ethernet ports	1 GbE copper (RJ45) ports (x1) Fibre (SFP) port (x1)	Logical Assignment Port 0:1 map to ETH0:ETH1
		Activity LED - Blinking	Indicates network activity
		Activity LED - Off	Indicates no network activity
4.	USB ports	USB 3.0 ports (x2)	Allows USB devices to connect to the system
5.	Console port	Console connection	Allows console devices to connect to the system
6.	100 Gb Fibre QSFP28 Ports	100 Gb Fibre QSFP28 ports (x2)	Requires QSFP28 transceiver modules (purchase from Progress Kemp) Logical Assignment Port 14:15 map to ETH14: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.	25 Gb Fibre SFP28 ports	25 Gb Fibre SFP28 ports (x4)	Requires SFP28 transceiver modules (purchase from Progress 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)
8.	10 Gb Fibre	10 Gb SFP+ Ports (x8)	Requires SFP+ modules (purchase from Progress Kemp) Logical

Item No.	Item	Description	Notes
	SFP+ Ports		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 - Continuously illuminated
		Link LED - Off	No link (cable disconnected)
9.	100 Gb Fibre QSFP28 ports	100 Gb Fibre QSFP28 ports (x2)	Requires QSFP28 transceiver modules (purchase from Progress Kemp) Logical Assignment Port 16:17 map to ETH16:ETH17
		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
10.	VGA port	Standard VGA interface	Used to connect a VGA monitor
11.	Power switch	On/off switch	Press to power on or hold until the device powers off
12.	Dual Hot-Swap Power Supply	1300W 1+1 redundant power supply	Power source for the system, refer to item 2 for status LED Indicators.
		LED - Green	Indicates power on mode

Item No.	Item	Description	Notes
		LED - Blinking green	Indicates standby mode
		LED - Amber	Indicates loss of power supply redundancy and/or issue with power supply

End of Sale

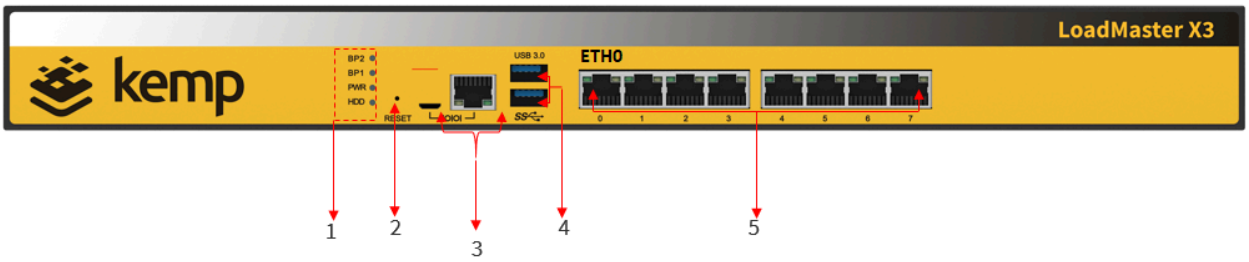
The models listed in the following sections are end of sale.

Contents

- LoadMaster LM-X3
- LoadMaster LM-X15 and LM-X15-MT
- LoadMaster LM-X25 and LM-X25-MT
- LoadMaster LM-X40, LM-X40M, and LM-X40-MT
- LoadMaster LM XHC 25G
- LoadMaster LM XHC 40G
- LoadMaster LM XHC 100G
- LoadMaster LM 8020-FIPS
- LoadMaster LM-8020 and LM-8020M

LoadMaster LM-X3

Port Location - Front Panel



Item No.	Item	Description	Notes
1.	PB2 LED PB1 LED	Not used Not used	Not used Not used
	PWR LED	LED – Green	Power on indicator
		LED – Off	Power off indicator

Item No.	Item	Description	Notes
	HDD LED	LED – Blinking amber	Indicates HDD activity
		LED – Off	Indicates no HDD activity
2.	Reset	Reset LoadMaster	System reset
3.	Micro USB type console ports	Console connection	Allows 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 AssignmentPort 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

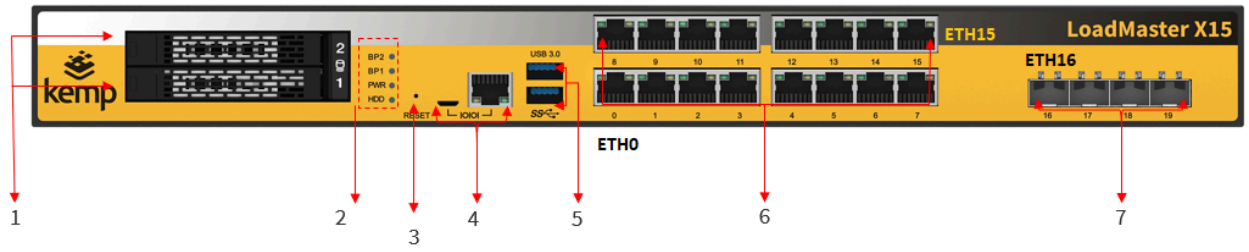
Port Location - Rear Panel



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	On/off switch	Press to power on or hold until the device powers off
9.	Power supply	300W AC power supply	Power source for the system, refer to item 1 for status LED Indicators.

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 Progress Kemp Customer Support)
		Rebuild LED - Blinking amber	Indicates HDD rebuilding process (could take several hours to complete)
2.	PB2 LEDPB1 LED	Not used Not used	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.	Micro USB type console ports	Micro USB type Console Connection	Allows 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 AssignmentPort 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)

Item No.	Item	Description	Notes
7.	10 Gb Fibre SFP+ ports	10 Gbps Fibre SFP+ Ports (x4)	Requires SFP+ transceiver modules (purchase from Progress 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)

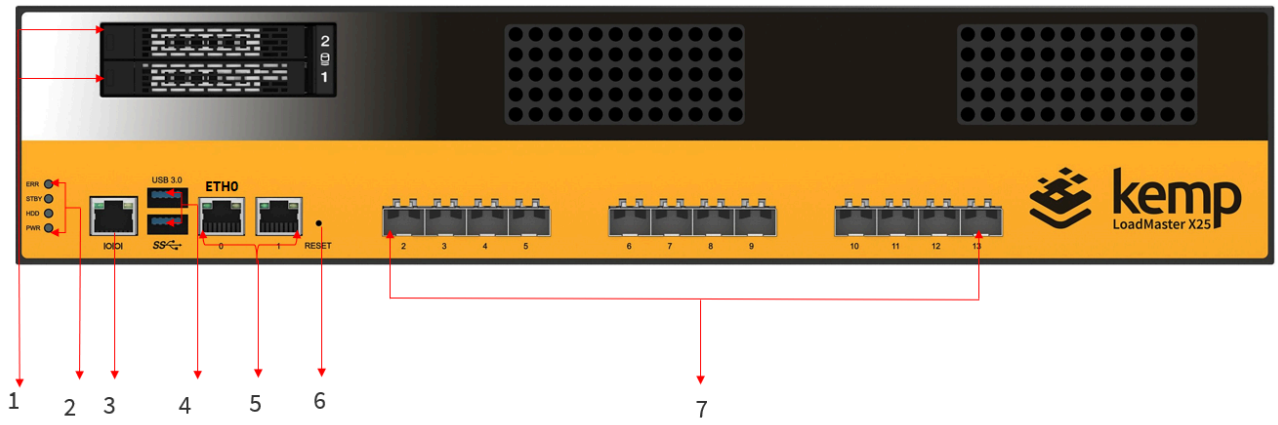
Port Location - Rear Panel



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 hold until the device powers off
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

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 Progress 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 Progress Kemp Customer Support)
	STBY LED	Standby LED – Amber	Indicates that the system is on
	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.	Console port	Console connection	Allows 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 AssignmentPort 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)

Item No.	Item	Description	Notes
6.	Reset	Reset LoadMaster	System reset
7.	10Gb Fibre SFP+ Ports	10 Gbps SFP+ Ports (x12)	Requires SFP+ transceiver modules (purchase from Progress 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

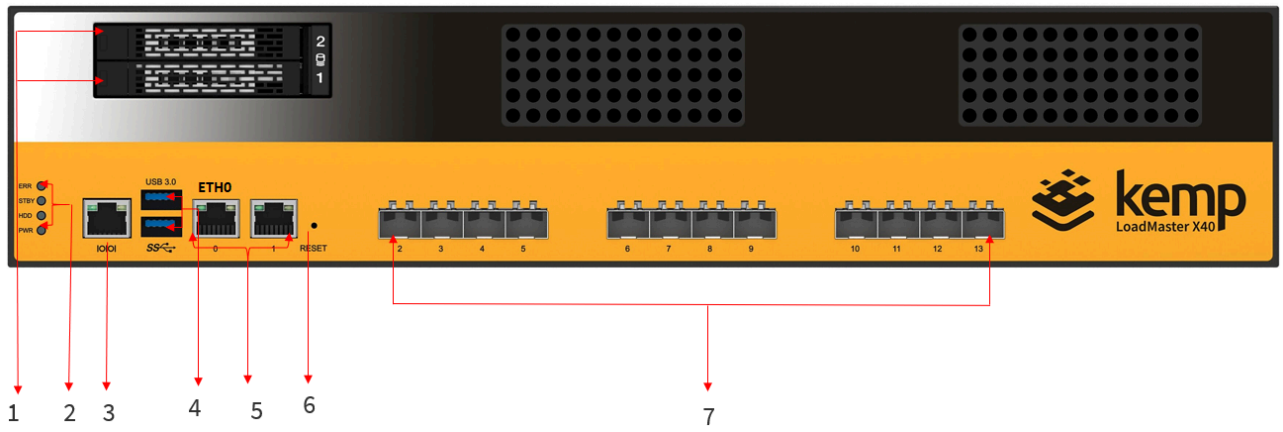


Item No.	Item	Description	Notes
8.	VGA port	Standard VGA interface	Used to connect a VGA monitor
9.	Power switch	On/off switch	Press to power on or hold until the device powers off
10.	USB Ports	USB 2.0 Ports (x2)	Allows USB devices to connect to the system
11.	Dual Hot-Swap Power Supply	700W 1+1 redundant 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

Item No.	Item	Description	Notes
		LED - Amber	Indicates loss of power supply redundancy and/or issue with power supply

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 Progress 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 Progress Kemp Customer Support)
	STBY LED	Standby LED – Amber	Indicates that the system is on
	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

Item No.	Item	Description	Notes
3.	Console port	Console connection	Allows 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 AssignmentPort 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 Fibre SFP+ Ports	10 Gbps SFP+ Ports (x12)	Requires SFP+ transceiver modules (purchase from Progress Kemp) Logical AssignmentPort 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

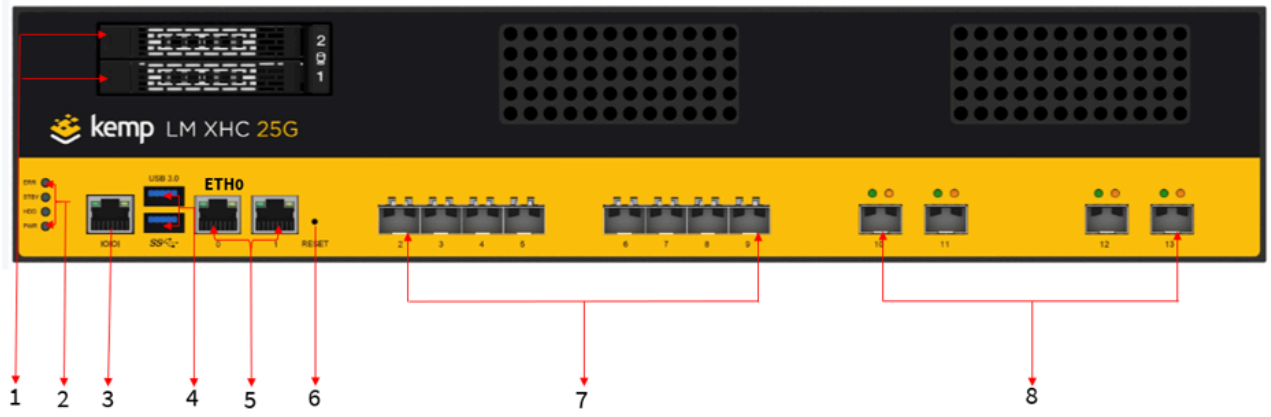


Item No.	Item	Description	Notes
8.	VGA port	Standard VGA interface	Used to connect a VGA monitor
9.	Power switch	On/off switch	Press to power on or hold until the device powers off

Item No.	Item	Description	Notes
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

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 Progress 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 Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates that the system is on

Item No.	Item	Description	Notes
	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.	Console port	Console connection	Allows 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 Fibre SFP+ ports	10 Gbps SFP+ ports (x8)	Requires SFP+ transceiver modules (purchase from Progress 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 Fibre SFP28 ports	25 Gb Fibre SFP28 ports (x4)	Requires SFP28 transceiver modules (purchase from Progress Kemp) Logical Assignment Port 10:13 map to ETH10:ETH13
		Activity LED - Blinking	Indicates network activity

Item No.	Item	Description	Notes
		Activity LED - Off	Indicates no network activity
		Link LED - On	Link - connection established
		Link LED - Off	No link (cable disconnected)

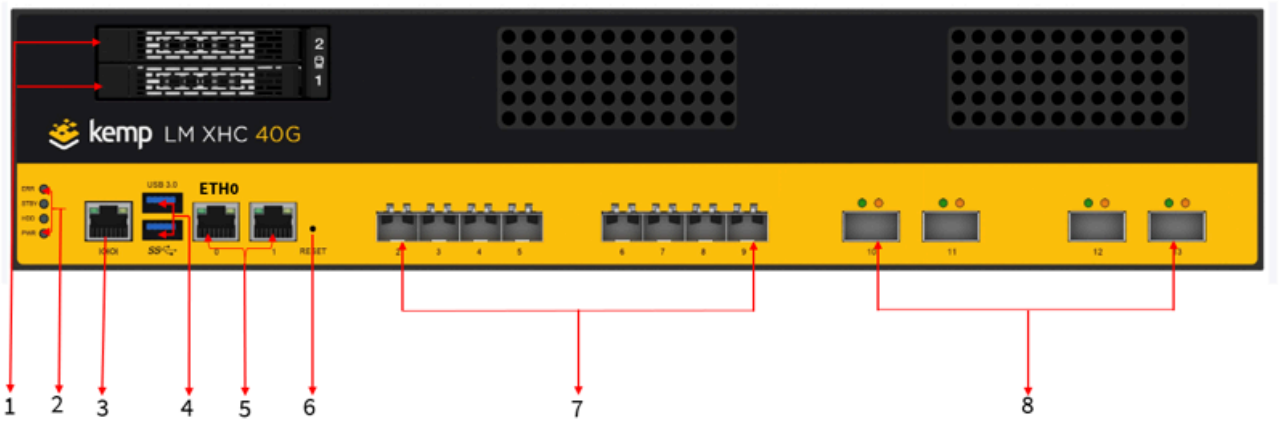
Port Location - Real Panel



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 hold until the device powers off
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

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 Progress 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 Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates that the system is on
	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.	Console port	Console connection	Allows 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

Item No.	Item	Description	Notes
		Link LED - On	Link - connection established
		Link LED - Off	No link (cable disconnected)
6.	Reset	Reset LoadMaster	System reset
7.	10 Gb Fibre SFP+ ports	10 Gbps SFP+ ports (x8)	Requires SFP+ transceiver modules (purchase from Progress 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 Fibre QSFP+ ports	40 Gb Fibre QSFP+ Ports (x4)	Requires QSFP+ transceiver modules (purchase from Progress 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)

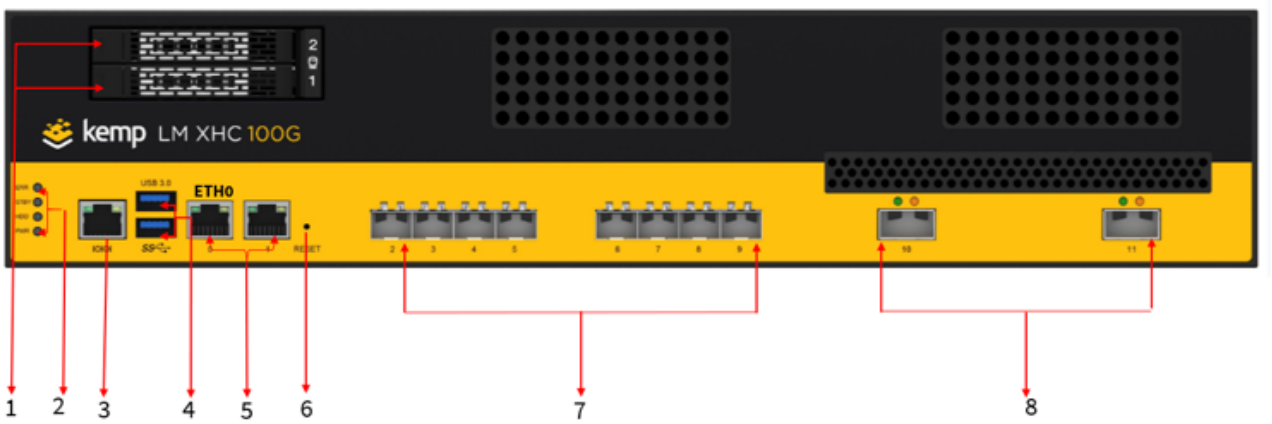
Port Location - Real Panel



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 hold until the device powers off
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

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 Progress 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 Progress Kemp Customer Support)
	STBY LED	Standby LED - Amber	Indicates that the system is on
	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.	Console port	Console connection	Allows 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 Fibre SFP+ ports	10 Gbps SFP+ ports (x8)	Requires SFP+ transceiver modules (purchase from Progress Kemp) Logical Assignment

Item No.	Item	Description	Notes
			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 Fibre QSFP28 ports	100 Gb Fibre QSFP28 ports (x2)	Requires QSFP28 transceiver modules (purchase from Progress 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

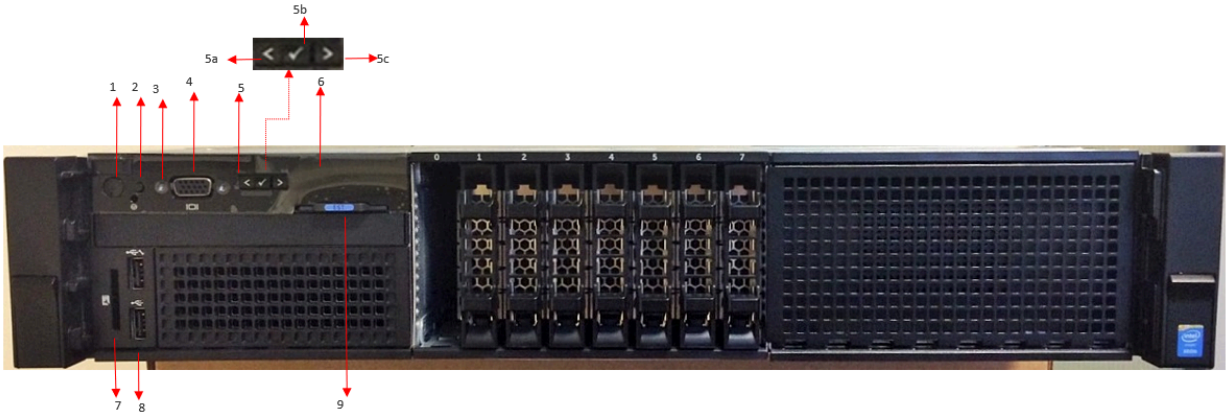


Item No.	Item	Description	Notes
9.	VGA port	Standard VGA interface	Used to connect a VGA monitor
10.	Power switch	On/off switch	Press to power on or hold until the device powers off

Item No.	Item	Description	Notes
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

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	

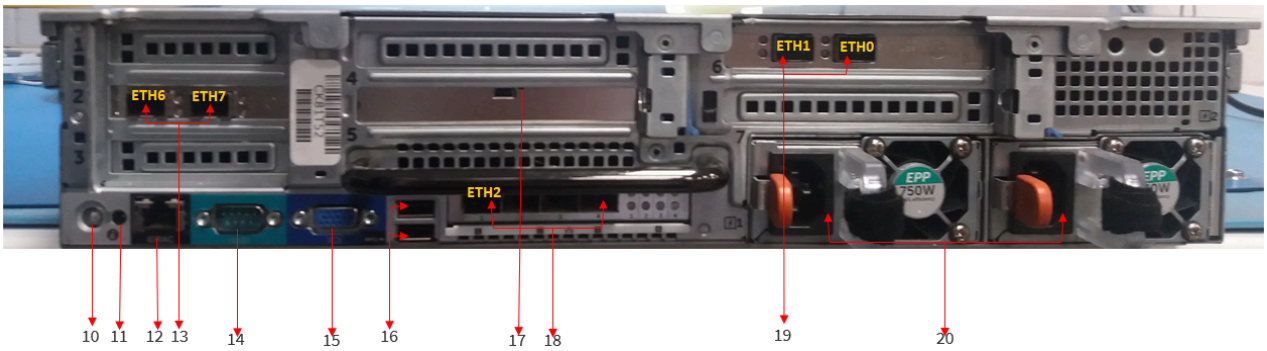
Item No.	Item	Description	Notes
5a.	LCD Left button	Moves the cursor back in one-step increments	
5b.	LCD Select button	Selects the menu item highlighted by the cursor	
5c.	LCD Right button	Moves the cursor forward in one-step increments	
6.	LCD panel	Displays the system ID, status information, and system 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	

Contents

- LoadMaster LM 8020 FIPS Rear Panel

LoadMaster LM 8020 FIPS Rear Panel

Port Location - Back Panel

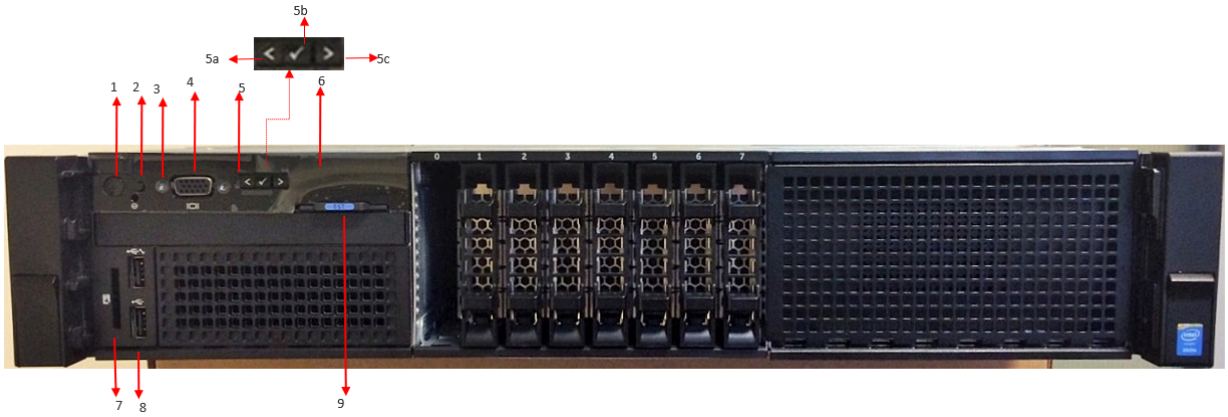


Item No.	Item	Description	Notes
10.	System identification button	LED - Blinking	When pressed on either the front or rear panel, flashes to locate the system in the rack. Press the button again to stop flashing.
11.	System identification connector	Not used	Not used
12.	iDRAC8 port	Not used	Not used
13.	10Gb Fibre SFP+ Ports	10Gb SFP+ Ports (x2)	Requires SFP+ transceiver modules (purchase from Progress Kemp) Logical AssignmentPort 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 Fibre SFP+ Ports	10 Gb SFP+ Ports (x2)	Requires SFP+ transceiver modules (purchase from Progress Kemp) Logical AssignmentPort 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 Fibre SFP+ Ports	10 Gb SFP+ Ports (x2)	Requires SFP+ transceiver modules (purchase from Progress Kemp) Logical AssignmentPort 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)

Item No.	Item	Description	Notes
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

LoadMaster LM-8020 and LM-8020M

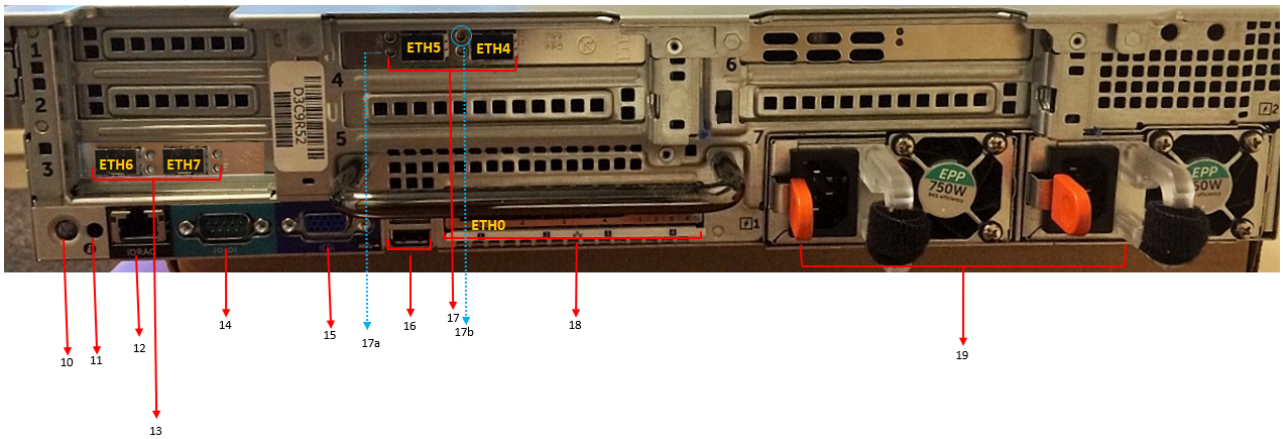
Port Location - Front Panel



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	

Item No.	Item	Description	Notes
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	Not used	Not used

Item No.	Item	Description	Notes
	identification connector		
12.	iDRAC8 port	Not used	Not used
13.	10 Gb Fibre SFP+ Ports	10 Gb SFP+ Ports (x2)	Requires SFP+ transceiver modules (purchase from Progress 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 Fibre SFP+ Ports	10 Gb SFP+ Ports (x4)	Requires SFP+ transceiver modules (purchase from Progress 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 Fibre SFP+ Ports	10 Gb SFP+ Ports (x2)	Requires SFP+ transceiver modules (purchase from Progress Kemp) Logical Assignment Port 0:4 map to ETH0:ETH4
		Activity LED - Blinking	Indicates network activity

Item No.	Item	Description	Notes
		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