

Ports used by the LDD system

Allow communication through the following ports on the network:

Notes:

- Ports depend on the implementation of each LDD system and may differ from the listing in the following table.
- The LDD administrator determines the ports used by forms printers.
- SSL communication is no longer supported in LDD 4.8.5 or later.
- To ensure restricted access to the following ports, apply the appropriate firewall restriction policy. For example, to configure restricted access to the Firebird database, see [Setting up firewall access for Firebird](#).

Component	Port	Protocol	Function
Database (Firebird)	3050	TCP	Database communications
	8001	TCP	Backup or restore agent
Load balancer	443	TCP	Load balancer HTTPS TLS communications, including LMC
	4113	TCP	Web adapter (JMX)
	9700	TCP	Profile submission to e-Task printers, web adapter (JMX)
	9705	TCP	Apache agent
	9780	TCP	Load balancer communications, including LMC
	9783	TCP	Load balancer HTTPS TLS communications, including LMC
Server	4111	TCP	JMX
	5111	TCP	RMI
	8009	TCP	AJP or Tomcat connector (load balancer worker)
	9743	TCP	HTTPS TLS profile job submission from printers or client software to a server, including LMC
	9788	TCP	Profile job submission from printers or client software to a server, including LMC
Printer	21	TCP	FTP, generic file downloads
	80	TCP	HTTP, device web services
	443	TCP	HTTPS, secure device web services
	8080	TCP	HTTP, device web services communication
	79	TCP	Finger
	161	UDP	SNMP, device discovery
	5000	TCP	Policy updates, ObjectStore plain text communication
	5353	UDP	Multicast DNS
	6000	UDP	Device discovery, ObjectStore communication using XML protocol
	6100	UDP	Device discovery, policy updates, Lexmark Secure Transport (LST) encrypted data
	6110	TCP	Device discovery, policy updates, LST authentication, and negotiation
	9100	TCP	Printing, policy updates
	9300	UDP	Device discovery, NPA protocol UDP communications
9500	TCP	NPA protocol TCP communications	