General TCP/IP ports that might used with Canon equipment (in alphabetical order)

Description	Port Number	TCP / UDP
Axis (1610) Print server device. This ports is used to identify what status the axis print server is at. This is performed approx every 30 seconds and it communicates with any computer that has the Axis port driver installed, even if the printer driver is not installed.	10260	UDP
Canon Network ScanGear, used when performing pull scaning from a computer. (Canon) Make sure that the NWSCAN setting in service mode is set to a 1, in Network Settings make sure that enable dedicated port is set to ON	47545	TCP / UDP
Cascade printing and Remote printing (Canon)	47545	TCP / UDP
CNSSS (Canon Netspot Suite Services), used when performing get device status	41376	UDP
CNSSS (Canon Netspot Suite Services), used when performing get device status	41377	TCP
CWS (Command Workstation), Harmony, Bi-directional Driver	8021 - 8022	TCP / UDP
CWS (Command WorkStation), Harmony, Bi-directional Driver	9906	UDP
DHCP Client (Dynamic Host Configuration Protocol)	67	TCP
DHCP Server (Dynamic Host Configuration Protocol)	68	TCP
DIAS (Driver Information Assist Service), used when performing get device status from a computer printing directly to the Canon printer.	47545	TCP / UDP
DIAS (Driver Information Assist Service), used when performing get device status from a worksation printing through a print server to the Canon printer.	41380	TCP
DNS (Domain Name Server) client to server lookup	53	TCP / UDP
Domain Name reply	38	TCP
Domain Name request	37	TCP
Email, IMAP (Internet Message Access Protocol), Canon does not support IMAP	113	TCP
Email, POP (Post Office Protocol) Incoming e-mail	110	TCP
Email, SMTP (Simple Mail Transfer Protocol) Outgoing mail	25	TCP
FTP (File Transfer Protocol)	21	TCP
FTP-DATA (File Transfer Protocol Data)	20	TCP
Get Device Status (Canon), make sure that dedicated port in Network Settings is turned ON, also see **CNNSSS** and **DIAS** for additional ports used when performing get device status from the Canon print	47545	TCP / UDP
Hasp, TCP Net Hasp Server (Aladin Hasp software key)	475	TCP
IPP printing (Internet Printing Protocol)	631	TCP
Job Monitor		
LDAP (Lightweight Directory Access Protocol)	389	TCP
LDAPS (Lightweight Directory Access Protocol Secure, LDAP w/SSL)	636	TCP
LPR (Line Printer Remote) printing spooler / Fiery Scan / Fiery Downloader	515	TCP
NetBIOS Datagram (used for SMB protocol and network datagram responses)	138	UDP
NetBIOS Nameserver (used for SMB protocol and network browsing	137	TCP / UDP
NetBIOS Session service (used for SMB protocol), DNS Administration	139	TCP
NetSpot suite Services, CNSSS (Canon Netspot Suite Services), used when performing get device status	41376	UDP
NetSpot suite Services, CNSSS (Canon Netspot Suite Services), used when performing get device status	41377	TCP
Network ScanGear, also see Canon Network ScanGear	47545	TCP / UDP
PING (Packet Internet Groper) Echo reply response	0	TCP
PING (Packet Internet Groper) Echo reply response	7	TCP / UDP
PING (Packet Internet Groper) Echo request	8	TCP
RAW printing (generaly used by UNIX printing)	9100	TCP
RDP (Remote Desktop Protocol)	3389	TCP

RPC (Remote Procedure Call) Sun Unix	111	TCP / UDP
RPC, DHCP Manager, Client / Server Communications	135	TCP
RUI (Remote User Interface) (Canon) / Web Tools (Fiery)	80	TCP
SNMP (Simple Network Management Protocol) / Fiery get device status	161	UDP
SNMP TRAP (Simple Network Management Protocol)	162	UDP
SSL (Secure Socket Layer) HTTPS (HyperText Transport Protocol (Secure))	443	TCP / UDP
Telnet (default telnet port)	23	TCP / UDP
Web Tools (Fiery) / RUI (Remote User Interface)(Canon)	80	TCP
WINS (Windows Internet Naming Services)	42	TCP / UDP

General functions and the ports that they may use (in alphabetical order)

Description	Port Number	TCP / UDP
Browsing, NetBIOS over TCP/IP	137, 138, 139	TCP / UDP
Client / Server communication	135	TCP
Email	25, 110	TCP
Get Device Status (Canon driver)	41380, 41376, 47545	TCP / UDP
Login sequence	137, 138, 139	TCP / UDP
LPR, printing	515	TCP
Printer sharing (SMB protocol)	137, 138, 139	TCP / UDP
RAW, printing	9100	TCP
Standard TCP/IP printing	515, 9100	TCP
SMB, printing and network browsing	137, 138, 139	TCP / UDP
SQL Name Pipes encryption over other protocols name lookup	137	UDP
SQL RPC encryption over other protocols name lookup	137	UDP
SQL session	139	TCP
SQL session	1433	TCP
SQL session mapper	1024 - 5000	TCP
SQL TCP client name lookup (this port is DNS also used by	53	TCP / UDP

AXIS 1610 / 1611 ports and protocols (in alphabetical order)

Description	Port Number	TCP / UDP
DHCP and BOOTP	67	TCP
DHCP and BOOTP	68	TCP
FTP	21	TCP
HTTP for the EWS (Embedded Web Server)	80	TCP
SLP (Service Location Protocol)	427	UDP
SNMP	161	UDP
SNMP traps	162	UDP
TFTP	69	TCP
WIMP , this port is used for discovery status and printing	10260	UDP

Please note that not all ports are used by all Canon devices and not all Canon devices can control all the ports in the Canon device.

General TCP/IP ports that might used with Canon equipment (in numerical order)

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PING (Packet Internet Groper) Echo reply response	7	TCP / UDP
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FTP (File Transfer Protocol)	21	TCP
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Domain Name request	37	TCP
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DNS (Domain Name Server) client to server lookup	53	TCP / UDP
DHCP Client (Dynamic Host Configuration Protocol)	67	TCP
DHCP Server (Dynamic Host Configuration Protocol)	68	TCP
RUI (Remote User Interface) (Canon) / Web Tools (Fiery)	80	TCP
Web Tools (Fiery) / RUI (Remote User Interface)(Canon)	80	TCP
Email, POP (Post Office Protocol) Incoming e-mail	110	TCP
RPC (Remote Procedure Call) Sun Unix	111	TCP / UDP
Email, IMAP (Internet Message Access Protocol), Canon does not support IMAP	113	TCP
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NetBIOS Nameserver (used for SMB protocol and network browsing requests)	137	TCP / UDP
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SNMP TRAP (Simple Network Management Protocol)	162	UDP
LDAP (Lightweight Directory Access Protocol)	389	TCP
SSL (Secure Socket Layer) HTTPS (HyperText Transport Protocol (Secure))	443	TCP / UDP
Hasp, TCP Net Hasp Server (Aladin Hasp software key)	475	TCP
LPR (Line Printer Remote) printing spooler / Fiery Scan / Fiery Downloader	515	TCP
IPP printing (Internet Printing Protocol)	631	TCP
LDAPS (Lightweight Directory Access Protocol Secure, LDAP w/SSL)	636	TCP
RDP (Remote Desktop Protocol)	3389	TCP
RAW printing (generaly used by UNIX printing)	9100	TCP
CWS (Command WorkStation), Harmony, Bi-directional Driver	9906	UDP
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CNSSS (Canon Netspot Suite Services), used when performing get device status	41377	TCP
NetSpot suite Services, CNSSS (Canon Netspot Suite Services), used when performing get device status	41377	TCP
DIAS (Driver Information Assist Service), used when performing get device status from a worksation printing through a print server to the Canon printer.	41380	TCP

Canon Network ScanGear, used when performing pull scaning from a computer. (Canon) Make sure that the NWSCAN setting in service mode is set to a 1, in Network Settings make sure that enable dedicated port is set to ON	47545	TCP / UDP
Cascade printing and Remote printing (Canon)	47545	TCP / UDP
DIAS (Driver Information Assist Service), used when performing get device status from a computer printing directly to the Canon printer.	47545	TCP / UDP
Get Device Status (Canon), make sure that dedicated port in Network Settings is turned ON, also see **CNNSSS** and **DIAS** for additional ports used when performing get device status from the Canon print driver.	47545	TCP / UDP
Network ScanGear, also see Canon Network ScanGear	47545	TCP / UDP
CWS (Command Workstation), Harmony, Bi-directional Driver	8021 - 8022	TCP / UDP