

Pro Series Control Product Network Ports and Licenses

This guide contains information about network port requirements and third-party software packages used for Extron Pro Series control products. The diagram below and the tables on the following pages show the network ports and protocols that are required for communication between the Extron control software and hardware. Consult your network administrator to confirm the connectivity for the network ports mentioned in this guide.

Network Port Requirements

Network Traffic Overview

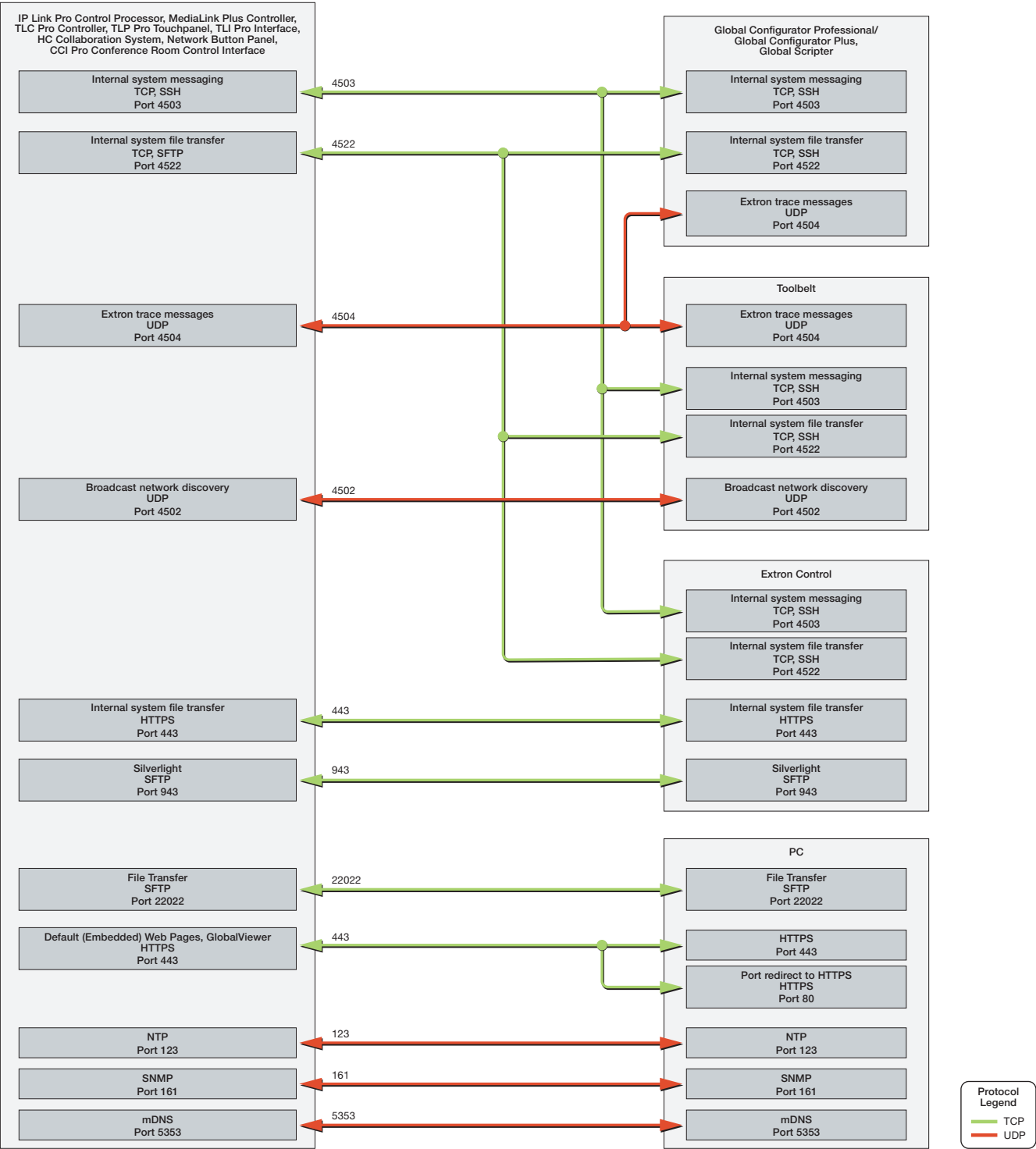


Figure 1. Interaction of Network Functions, Protocols, and Ports

Network Port Information

The following tables provide network port information for network planning and troubleshooting.

IP Link Pro Control Processors, MediaLink Plus Controllers, TouchLink Pro Controllers and Touchpanels, TLI Pro Interfaces, CCI Pro 700 TouchLink Pro Conference Room Control Interfaces, Network Button Panels, and HC Collaboration Systems

Port	Protocol	Inbound/Outbound	Service	Description
80	TCP	Inbound	HTTP	Port redirects to HTTPS
123	UDP	Inbound	NTP	NTP service
161	UDP	Inbound	SNMP	SNMP service
443	TCP	Inbound	HTTPS	Default web page, GlobalViewer, Extron Control for Web
4502	UDP	Inbound	Discovery	Broadcast network discovery
4503	TCP	Inbound	SSH	Internal system messaging
4522	TCP	Inbound	SFTP	Internal system file transfer
5353	UDP	Inbound	mDNS	Multicast DNS
22022	TCP	Inbound	SFTP	File transfer

Global Configurator Plus and Global Configurator Professional Software, Global Scripter

Port	Protocol	Inbound/Outbound	Service	Description
4503	TCP	Inbound/Outbound	SSH	Internal system messaging
4504	UDP	Inbound	Trace	Extron trace messages
4522	TCP	Inbound/Outbound	SFTP	Internal system file transfer

Toolbelt Software

Port	Protocol	Inbound/Outbound	Service	Description
4502	UDP	Inbound/Outbound	Discovery	Broadcast network discovery
4503	TCP	Outbound	SSH	Internal system messaging
4504	UDP	Inbound	Trace	Extron trace messages
4522	TCP	Outbound	SFTP	Internal system file transfer

Extron Control for iOS

Port	Protocol	Inbound/Outbound	Service	Description
443	TCP	Inbound	HTTPS	Internal system file transfer
4503	TCP	Inbound/Outbound	SSH	Internal system messaging
4522	TCP	Inbound	SFTP	Internal system file transfer

Extron Control for Web with Silverlight

Port	Protocol	Inbound/Outbound	Service	Description
443	TCP	Inbound	HTTPS	Internal system file transfer
943	TCP	Inbound	Silverlight®	Extron Control for Web (client access policy file)
4503	TCP	Inbound/Outbound	SSH	Internal system messaging
4522	TCP	Inbound	SFTP	Internal system file transfer

Extron Control for Web 2.0 with HTML5

Port	Protocol	Inbound/Outbound	Service	Description
443	TCP	Inbound/Outbound	HTTPS	Internal system file transfer Internal system messaging

Extron Control for Android

Port	Protocol	Inbound/Outbound	Service	Description
443	TCP	Inbound	HTTPS	Internal system file transfer
4503	TCP	Inbound/Outbound	SSH	Internal system messaging

License Information

The following table lists the licensed third-party software packages used by all Pro Series control products.

NOTE: Licensed third-party software packages are subject to change without notice.

Licensed Third-Party Software					
Package	License	Package	License	Package	License
aufs2-util	GNU GPL v2	keyutils	GPLv2+ LGPLv2.1+	mtd	GNU GPL v2
alsa-lib	LGPLv2.1+	ldconfig	GPLv2+	ncurses	MIT
alsa-utils	GNU GPL v2	libassuan	GNU LGPL v2.1	net-snmp	BSD
avahi	GNU LGPL v2.1	libcgicc 3.2.3	GNU LGPL v2.1	neon	LGPLv2.1+ GPLv2+
bstrlib	BSD	libcurl	ICS	nginx	BSD-2c
busybox	GNU GPL v2	libdaemon	GNU GPL v2.1	ntp	MIT
bzip2	BSD	libdnet	BSD	openssh	BSD
cjson	MIT	libelf	LGPLv2.1+	openssl	OpenSSL
cracklib	LGPLv2.1+	libevent	BSD-3c OpenBSD	pcre	BSD
compat-wireless	GNU GPL v2	libfcgi	fcgi	pexpect	MIT
Curl	ICS	libffi	MIT	pixman	MIT
devmem2	GNU GPL v2	libglib2	LGPLv2.1+	popt	MIT
dosfstools	GNU GPL v2	libgpg-error	GNU LGPL v2.1	psmisc	GNU GPL v2
ecryptfs-utils	GNU GPL v2	libnl	GNU LGPL v2.1	pyexchange	Apache
eudev	GPLv2+ LGPLv2.1+	libnspr	MPLv2.0	python-evdev	python-evdev
expat	MIT	libnss	GNU GPL v2	python-lxml	BSD
fbset	GNU GPL v2	libpcap	BSD	python3	PSF
fcgi	fcgi	libpng	libpng license	pytz	pytz
Flex	FLEX	librsync	LGPLv2.1+	qt	GNU LGPL v2.1
freetype	FreeType License	libsocketcan	GNU LGPL v2.1	socat	GNU GPL v2
fontconfig	fontconfig	libsoup	LGPLv2.1+	spawn-fcgi	BSD
gnupg-1.4.7	GNU GPL v2	libssh2	BSD	sqlite	Public Domain
gpgme	GNU LGPL v2.1	libusb	GNU LGPL v2.1	tcpdump	BSD
gststreamer	GNU GPL v2	libxml2	MIT	tzdata	Public Domain
i2c-tools	GNU GPL v2	libxslt	MIT	uboot	GNU GPL v2
ifplugd	GNU GPL v2	lighttpd	BSD	udev	GNU GPL v2
iperf	iperf	Linux	GNU GPL v2	wireless_tools	GNU GPL v2
iproute2	GPLv2	Linux-PAM	BSD	wpa_supplicant	GPLv2/BSD-3c
iptables	GPLv2	lua	MIT	xinetd	custom
jpeg	libjpeg	minicom	GNU GPL v2	zlib	zlib
json4lua	MIT				

For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the **Extron Safety and Regulatory Compliance Guide** on the Extron website.