



EXTRON NPPL IP Link Pro Control Processors Instructions

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DTP HD DA 4K Series — Network Ports, Protocols, and Licenses

This guide provides information about network port requirements and third-party software packages used for Extron DTP HDDA 4K Series products. The following diagram and tables show the network ports and protocols that are required for communication between the DTP HDDA 4K Series and Extron tools and controls. Consult your network administrator to confirm the connectivity for the network ports mentioned in this guide.

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Network Port Information

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

- “Inbound/Outbound” refers to the flow of traffic to and from the device.
- “Inbound” indicates that traffic is received on the specified port on the device.
- “Outbound” indicates that the traffic is sent out from the specified port.
- “Both” indicates that traffic is received by and also sent out from the specified port.

DTP HD DA 4K Series

Port	Protocol	Inbound/Outbound	Service	Description
23	TCP	Both	Telnet	SIS (Simple Instruction Set)
53	UDP	Both	DNS	DNS service
67	UDP	Both	DHCP	DHCP server
68	UDP	Both	DHCP	DHCP client
80	TCP	Both	HTTP	Port redirects to HTTPS
123	UDP	Both	NTP	NTP service
161	UDP	Both	SNMP	SNMP service
443	TCP	Both	HTTP	Default web page
2001-2004	TCP	Both	Telnet	RS-232 insertion
4523	TCP	Both	SSH	Internal system messaging
22022	TCP	Both	SFTP	Secure file transfer
22023	TCP	Both	SSH	SIS (Simple Instruction Set)

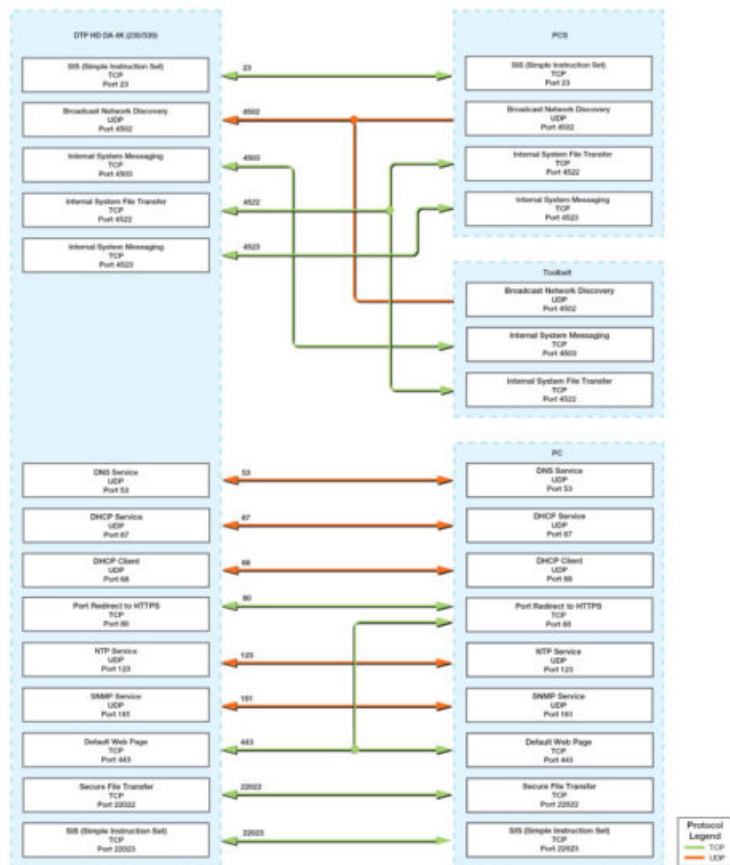
Toolbelt

Port	Protocol	Inbound/Outbound	Service	Description
4502	UDP	Inbound	Discovery	Broadcast network discovery
4503	TCP	Both	SSH	Internal system messaging
4522	TCP	Both	SFTP	Internal system file transfer

Product Configuration Software (PCS)

Port	Protocol	Inbound/Outbound	Service	Description
23	TCP	Both	Telnet	Telnet service
4502	UDP	Inbound	Discovery	Broadcast network discovery
4522	TCP	Both	SFTP	Internal system file transfer
4523	TCP	Both	SSH	Internal system messaging

Network Traffic Overview



License Information

The following table lists the licensed third-party software used by the DTP HDDA 4K Series.

NOTE: Licensed third-party software used by the DTP HDDA 4K Series is subject to change without notice.

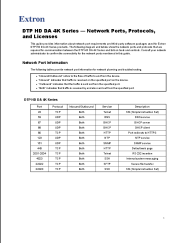
Licensed Third-Party Software			
Package	License	Package	License
aufs-util	GPLv2	boost	Boost Software License 1.0
bstrlib	BSD-3c	busybox	GPLv2, bzip2-1.0.4
bzip2	bzip2 license	cjson	MIT
cracklib	LGPLv2.1	devmem2	GPLv2
expat	MIT	fcgiwrap	MIT
Flex	FLEX	gnupg	GPLv2
ifplugd	GPLv2	jo	MIT (json.[ch]), GPLv2 (rest)
kmod	LGPLv2.1 (library)	libassuan	LGPLv2.1 (library-only)
libcgicc	LGPLv2.1	libcurl	Curl
libdaemon	LGPLv2.1	libdnet	BSD-3c
libevent	BSD-3c, OpenBSD	libfcgi	fcgi license
libffi	MIT	libgpg-error	LGPL-2.1
libgpgme	LGPLv2.1	libpcap	BSD-3c
libssh2	BSD	libusb	LGPLv2.1
libwebsockets	LGPLv2.1 with exceptions	libxml2	MIT
libxslt	MIT	linux	GPLv2
linux-pam	BSD-3c	lua	MIT
lua-cjson	MIT	luabitop	MIT
luafilesystem	MIT	luasocket	MIT
Minicom	GPLv2	mtd	GPL-2.0
ncurses	MIT with advertising clause	net-snmp	Various BSD-like
nginx	BSD-2c	ngx_echo	BSD-2c
ntp	NTP	openssh	BSD-4c, BSD-3c, BSD-2c, Public Domain
openssl	OpenSSL or SSLeay	paho-mqtt-c	EPL-2.0 or BSD-3c

pcre	BSD-3c	popt	MIT
psmisc	GPLv2	qt	LGPLv2.1 with exceptions
rapidjson	MIT	shadow	BSD-3c
socat	GPLv2 with OpenSSL exception	spawn-fcgi	BSD-3c
sqlite	Public domain	strace	BSD-3c
tzdata	Public domain	uboot	GPLv2
udev	GPLv2 (programs), LGPL v2.1 (libraries)	util-linux	GPLv2, BSD-4c, LGPLv2.1 (libblkid, libfdisk, libmount), BSD-3c (libuuid)
wpa_supplicant	BSD-3c	xinetd	xinetd license
zlib	zlib license		

NOTE: Go to www.extron.com for the complete user guide, installation instructions, and specifications. 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.

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Documents / Resources



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NPPL IP Link Pro Control Processors, NPPL, IP Link Pro Control Processors, Pro Control Processors, Control Processors, Processors

References

- [Extron - The AV Technology Leader](#)
- [Extron - The AV Technology Leader](#)
- [User Manual](#)

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