

CP-Config	open Ports	Protocol	Interface	Description
<u>Standalone</u>	Defaultports			
	22	TCPv4	all	SSH
	22	TCPv6	all	SSH
	53	TCPv4	all	DNS
	53	TCPv6	all	DNS
	53	UDPv4	all	DNS
	53	UDPv6	all	DNS
	5353	UDPv4	all	mDNS - ahavi-daemon
	e.g. 55721	UDPv4	all	mDNS - port is variable avahi-daemon
	67	UDPv4	all	DHCP
	80	TCPv4	all	http-webserver
	8010	TCPv4	<i>internal</i>	<i>Proxy</i>
	Featureports			
	443	TCPv4	<i>all</i>	<i>https-webserver optionally since sw 5.29.x</i>
	8090	TCPv4	all	OCPP-S incoming SOAP requests - configurable
	1666	TCPv4	all	DLM-Master
	e.g. 57972	UDPv4	LAN/Wlan	DLM-Master - DLM Anouncement???? - port is variable
	502	TCPv4	all	Modbus TCP Server (Energy Manager) configurable
	8888	TCPv4	all	SEMP
	1900	UDPv4	LAN/WLAN/USB	SEMP Multicast
	4711	TCPv4	all	EEBus
	15118	UDPv6	all	15118 Broadcast
	15119	TCPv6	all	with PnC and TLS
	15120	TCPv6	all	without TLS
<u>Master/Slave</u>				
<u>Master</u>	Defaultports			
	22	TCPv4	all	SSH
	22	TCPv6	all	SSH
	23	TCPv4	all	SSH forwarding to Master
	24	TCPv4	all	SSH forwarding to Slave

	53	TCPv4	all	DNS
	53	TCPv6	all	DNS
	53	UDPv4	all	DNS
	53	UDPv6	all	DNS
	5353	UDPv4	all	mDNS - ahavi-daemon
	e.g. 47941	UDPv4	all	mDNS - port is variable ahavi-daemon
	67	UDPv4	all	DHCP
	80	TCPv4	all	http-webserver
	81	TCPv4	all	http-webserver forwarding to Master
	82	TCPv4	all	http-webserver forwarding to Slave
	8021	TCPv4	all	Firmwareupload/Logdownload forwarding to Master Port 8020
	8022	TCPv4	all	Firmwareupload/Logdownload forwarding to Slave Port 8020
	1600	TCPv4	all	OCPP Master/Slave - Port 1601 not used - is this for TLS - how to configure?
	503	TCPv4	all	ModBus TCP Server forwarding to Slave
	8010	TCPv4	<i>internally</i>	<i>Proxy</i>
	Featurports			
	443	TCPv4	<i>all</i>	<i>https-webserver optionally since sw 5.29.x</i>
	8090	TCPv4	all	OCPP-S incoming SOAP requests - configurable
	1666	TCPv4	all	DLM-Master
	e.g. 57972	UDPv4	LAN/Wlan	DLM-Master - DLM Anouncement???? - port is variable
	502	TCPv4	all	Modbus TCP Server (Energy Manager) - configurable
	8888	TCPv4	all	SEMP
	1900	UDPv4	LAN/WLAN/USB	SEMP Multicast
	4711	TCPv4	all	EEDBus
	15118	UDPv6	all	15118 Broadcast
	15119	TCPv6	all	with PnC and TLS
	15120	TCPv6	all	without TLS
<u>Slave</u>	Defaultports			
	22	TCPv4	all	SSH
	22	TCPv6	all	SSH
	23	TCPv4	all	SSH forwarding to Master

	24	TCPv4	all	SSH forwarding to Slave
	53	TCPv4	all	DNS
	53	TCPv4	all	DNS
	53	UDPv4	all	DNS
	53	UDPv4	all	DNS
	5353	UDPv4	all	mDNS - ahavi-daemon
	e.g. 58375	UDPv4	all	mDNS - port is variable ahavi-daemon
	67	UDPv4	all	DHCP
	80	TCPv4	all	http-webserver
	81	TCPv4	all	http-webserver forwarding to master
	82	TCPv4	all	http-webserver forwarding to Slave
	8021	TCPv4	all	Firmwareupload/Logdownload forwarding to Master Port 8020
	8022	TCPv4	all	Firmwareupload/Logdownload forwarding to Slave Port 8020
	Featurports			
	443	TCPv4	all	<i>https-webserver optionally since sw 5.29.x</i>
	502	TCPv4	all	Modbus TCP Server (Energy Manager) - configurable
	7681	TCPv4	all	DLM-Slave
	15118	UDPv6	all	15118 Broadcast
	15119	TCPv6	all	with PnC and TLS
	15120	TCPv6	all	without TLS