



Subject:	Comprehensive List of Ports Used by KYOCERA DOCUMENT SOLUTIONS devices		
Model:			
Error codes:	-/-		
Classification:	Field measures:	<input type="checkbox"/> Next visit	<input type="checkbox"/> At Maintenance <input checked="" type="checkbox"/> By Case
	Phenomenon:	<input type="checkbox"/> SC/Error <input type="checkbox"/> Image	<input type="checkbox"/> Paper Feeding/Conveying <input type="checkbox"/> Machine operation
Related to:	<input type="checkbox"/> Firmware / Software <input checked="" type="checkbox"/> Information		

Description: Because of several requests from the field we created a ports list with description and possible adjustments.

See page 2 and 3 for enlarged view of below list.

Ports list						
TCP/UDP	IPv4/v6	Port Number	Protocol / Purpose	Can be configured?	By default	Memo
TCP	Both	21	FTP	ON/OFF	Open	
TCP	Both	25	DirectSMTP	ON/OFF	Close	Supported from Alphard2.
TCP	Both	80	HTTP	ON/OFF	Open	Even if HTTP is OFF, Port80 is opened for port forwarding function if HTTPS is enabled.
TCP	v4	139	NetBIOS Session Service	ON/OFF	Open	
TCP	Both	443	HTTPS/PPS	ON/OFF	Close	
TCP	Both	445	CIFS	ON/OFF	Open	Opened on model supporting SMB print over IPv6
TCP	Both	515	LPD	ON/OFF	Open	
TCP	Both	631	IPP	ON/OFF	Close	
TCP	Both	4000	ThinPrint	ON/OFF	Close	Supported from Gemini/MEZ. Activation is required to use ThinPrint.
TCP	Both	5557	WSD-Print/Scan	ON/OFF	Open	
TCP	Both	5558	WSD-Print/Scan (SSL)	ON/OFF	Close	Not supported yet. (Reserved for future use)
TCP	v6	9040	Thrifit (EPI: ERPO)	Open when Fiery board is attached	Close	
TCP	Both	9061	RFB (SSL/TLS)	ON/OFF	Close	Remote Panel
TCP	v6	9070	WS-Transfer	ON/OFF	Open	Supported from Matsuri2
TCP	Both	9080	REST	ON/OFF	Open	ON/OFF switch was added from Nema3
TCP	Both	9081	REST (SSL/TLS)	ON/OFF	Open	ON/OFF switch was added from Nema3
TCP	Both	9090	KM-WSDL	ON/OFF	Open	ON/OFF switch was added from Matsuri/Alphard
TCP	Both	9091	KM-WSDL (SSL/TLS)	ON/OFF	Open	ON/OFF switch was added from Matsuri/Alphard
TCP	Both	9095	eSCL	ON/OFF	Open	Supported from Perseus.
TCP	Both	9096	eSCL (SSL/TLS)	ON/OFF	Open	Supported from Perseus.
TCP	Both	9097	GCP Privet	ON/OFF	Close	ON/OFF switch was added from 6th A4 Printer
TCP	Both	9100	PartPrint1e1	ON/OFF	Open	
TCP	Both	9101	PartPrint1e2	ON/OFF	Open	
TCP	Both	9102	PartPrint1e3	ON/OFF	Open	
TCP	Both	9103	PartPrint1e4	ON/OFF	Open	

Ports list						
TCP/UDP	IPv4/v6	Port Number	Protocol / Purpose	Can be configured?	By default	Memo
UDP	v4	137	NetBIOS Name Service	ON/OFF	Open	
UDP	Both	161	SNMP	ON/OFF	Open	
UDP	Both	3702	WS-Discovery	ON/OFF	Open	
UDP	Both	5353	Multicast DNS (Bonjour)	ON/OFF	Close	Only IPv4 is opened on VxWorks.
TCP	Both	9100	RAW	ON/OFF	Open	Network Fax Driver
TCP	Both	9090 and 9091	KM-WSDL	ON/OFF	Open	Network Fax Driver
TCP	Both	161	SNMP	ON/OFF	Open	Network Fax Driver
TCP	Both	37096	Kyocera own	ON/OFF	Open	FAX Driver

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TCP	Both	21	FTP	ON/OFF	Open	
TCP	Both	25	Direct SMTP	ON/OFF	Close	Supported from Alphard2.
TCP	Both	80	HTTP	ON/OFF	Open	Even if HTTP is OFF, Port 80 is opened for port forwarding function if HTTPS is enabled.
TCP	v4	139	NetBIOS Session Service	ON/OFF	Open	
TCP	Both	443	HTTPS/IPPS	ON/OFF	Close	
TCP	Both	445	CIFS	ON/OFF	Open	Opened on model supporting SMB print over IPv6
TCP	Both	515	LPD	ON/OFF	Open	
TCP	Both	631	IPP	ON/OFF	Close	
TCP	Both	4000	ThinPrint	ON/OFF	Close	Supported from Gemini MFP. Activation is required to use ThinPrint.
TCP	Both	5357	WSD-Print/Scan	ON/OFF	Open	
TCP	Both	5358	WSD-Print/Scan (SSL)	ON/OFF	Close	Not supported yet. (Reserved for future use)
TCP	v6	9040	Thrift (EFI: ERPD)	Open when Fiery board is attached	Close	
TCP	Both	9061	RFB (SSL/TLS)	ON/OFF	Close	Remote Panel
TCP	v6	9070	WS-Transfer	ON/OFF	Open	Supported from Matsuri2
TCP	Both	9080	REST	ON/OFF	Open	ON/OFF switch was added from NewA3
TCP	Both	9081	REST (SSL/TLS)	ON/OFF	Open	ON/OFF switch was added from NewA3
TCP	Both	9090	KM-WSDL	ON/OFF	Open	ON/OFF switch was added from Matsuri/Alphard
TCP	Both	9091	KM-WSDL (SSL/TLS)	ON/OFF	Open	ON/OFF switch was added from Matsuri/Alphard
TCP	Both	9095	eSCL	ON/OFF	Open	Supported from Perseus.
TCP	Both	9096	eSCL (SSL/TLS)	ON/OFF	Open	Supported from Perseus.
TCP	Both	9097	GCP Privet	ON/OFF	Close	ON/OFF switch was added from 6th A4 Printer
TCP	Both	9100	PortPrint Ip1	ON/OFF	Open	
TCP	Both	9101	PortPrint Ip2	ON/OFF	Open	
TCP	Both	9102	PortPrint Ip3	ON/OFF	Open	
TCP	Both	9103	PortPrint Ip4	ON/OFF	Open	

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UDP	Both	3702	WS-Discovery	ON/OFF	Open	
UDP	Both	5353	Multicast DNS (Bonjour)	ON/OFF	Close	Only IPv4 is opened on VxWorks
TCP	Both	37096	Kyocera own	ON/OFF	Open	FAX Driver