

AlertDispatcher Pre-installation & Firewall Ports Checklist

1). System requirement

- 2 x vCPU
- 16GB RAM
- 100GB Disk Space
- 1 x USB Ports Per Modem*

**Note: If using VM, please check if USB passthrough is supported. If not supported or if redundancy is required, would need to use Moxa NPort serial-to-ethernet converter.*

2). AC Power Socket

1 x 2-pin Euro AC Power Sockets for each set of Modem + Moxa NPort (where applicable).

3). SIM Cards (where applicable)

1 x Activated standard SIM card for each modem. **If using 4G modem, please confirm with telco that the SIM card is using 4G or 5G plan!!**



standard sim card

4). Required Firewall Port exceptions (if internal firewall is enabled)

a). Firewall Port exceptions between NMS/BMS/SCADA and AlertDispatcher Server (Standalone or Master/Slave):

<u>Protocol</u>	<u>Port No.</u>	<u>Purpose/Protocol</u>	<u>Outbound Exception</u>	<u>Inbound Exception</u>
TCP	25	SMTP (receiving alarms)*	NMS/BMS/SCADA Server/Controller	AlertDispatcher
TCP	80	HTTP (receiving alarms)	NMS/BMS/SCADA Server/Controller	AlertDispatcher
UDP	162	SNMP Traps (receiving alarms)	NMS/BMS/SCADA Server/Controller	AlertDispatcher
TCP	502	Modbus TCP (monitoring)	NMS/BMS/SCADA Server/Controller	AlertDispatcher

**In most cases, only SMTP is required for alarm relay*

b). Firewall Port exceptions between AlertDispatcher Master and AlertDispatcher Slave instances:

<u>Protocol</u>	<u>Port No.</u>	<u>Purpose/Protocol</u>	<u>Outbound Exception</u>	<u>Inbound Exception</u>
TCP	5556	AlertDispatcher Heartbeat/Failover	AlertDispatcher Master + AlertDispatcher Slave	AlertDispatcher Master + AlertDispatcher Slave

c). Firewall Port exceptions between AlertDispatcher Server and External messaging services:

<u>Protocol</u>	<u>Port No.</u>	<u>Purpose/Protocol</u>	<u>Outbound Exception</u>	<u>Inbound Exception</u>
TCP	25/587	SMTP (for sending email)	AlertDispatcher	Corporate Mail Server
UDP	162	SNMP Trap (for sending snmp traps)	AlertDispatcher	Corporate NMS

d). Firewall Port exceptions between Moxa NPort devices (serial-to-ethernet converter) and AlertDispatcher Server instances:

<u>Protocol</u>	<u>Port No.</u>	<u>Purpose/Protocol</u>	<u>Outbound Exception</u>	<u>Inbound Exception</u>
TCP	80	Web Console	AlertDispatcher	Moxa NPort Device
TCP	950	Data Port	AlertDispatcher	Moxa NPort Device
TCP	966	Command Port	AlertDispatcher	Moxa NPort Device
UDP	4800	Broadcast, Monitor, Get current settings, RealCOM Port mapping	AlertDispatcher	Moxa NPort Device