


NOKIAQuick start guideNokia Industrial 5G fieldrouter FRRx504c	NOKIANokia Industrial 5G fieldrouter FRRx504c Nokia Industrial 5G fieldrouter FRRx504c provides 5G service in a ruggedized form factor. With an operating temperature range of -40°C ~ 70°C endurance, they offer industrial-grade environmental qualifications while providing higher speed data services for video and other bandwidth-intensive applications. Nokia Industrial 5G fieldrouter FRRx504c is qualified for industrial environments and ideally suited for logistics, manufacturing, and other indoor applications. Nokia Industrial 5G fieldrouter FRRx504c supports wide range of bands. Remote device management is supported via TR-069 protocol. The router can also be managed using Local Web UI on the device itself. This document provides a guide on set up you Nokia Industrial 5G fieldrouter FRRx504c. To review full capabilities of the device please refer to datasheet. For information and detailed instruction on configurations please review the user manual. **Notes:** 1. Use a crosscrew driver to remove the SIM card cover. 2. Slide the SIM card in to the SIM slots until they click into place. By default, the SIM card slot 1 (the left slot) is the primary SIM card. When the router is powered on/rebooted, it automatically connects to the network associated with the primary SIM card. 3. Re-attach the cover. **Reset button** **Network registration status** **USB interface** **RS232/485 port** **SIM interface** **LAN port** **NR/LTE antennas** **Wi-Fi antennas** **Power status** **Power port** **DI/DO port** **Ground screw hole** **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14**	NOKIADevice Architecture **DI/DO Port Definition**	Number	Definition		--------	------------		1	DO2		2	DO1		3	GND		4	DI2		5	DI1	**RS232/485 Port Definition**	Number	Definition		--------	------------		1	RS232 TXD		2	RS232 RXD		3	GND		4	RS485 D+		5	RS485 D-	**DC-IN Port Definition**	Number	Definition		--------	-------------		1	12-24V, ---		2	GND		3	NC		4	NC	**Notes:** 1. To restart the router press Reset button for 1second. To reset the router to factory default press the Reset button for 10 seconds. Reset button for 10s, the router will reset to factory defaults. **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14**	NOKIAPort Definition **Operating Temperature** -40°C ~ 70°C **Storage Temperature** -40°C ~ 85°C **Humidity** 5% ~ 95% **Power Supply** DC 12~24V **Power Consumption** <14W **Notes:** Please connect the protecting ground cable as first step, connect 1-2 24V power cable as the last step. **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14**	NOKIATemperature and Power **Operating Temperature** -40°C ~ 70°C **Storage Temperature** -40°C ~ 85°C **Humidity** 5% ~ 95% **Power Supply** DC 12~24V **Power Consumption** <14W **Notes:** Please connect the protecting ground cable as first step, connect 1-2 24V power cable as the last step. **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14**	NOKIAHardware Configuration **1** Connect the protecting ground cable. **2** Connect a computer to the router with an Ethernet cable. **3** Connect or power the router with a power cable. **4** Connect devices to the RS232/485/DO ports. **5** Connect 12~24V DC power cable. **6** Connect the DI/DO port. **7** Connect the antennas. **8** Connect the SIM card. **9** Connect the power port. **10** Connect the power port. **11** Connect the power port. **12** Connect the power port. **13** Connect the power port. **14** Connect the power port. **15** Connect the power port. **16** Connect the power port. **17** Connect the power port. **18** Connect the power port. **19** Connect the power port. **20** Connect the power port. **21** Connect the power port. **22** Connect the power port. **23** Connect the power port. **24** Connect the power port. **25** Connect the power port. **26** Connect the power port. **27** Connect the power port. **28** Connect the power port. **29** Connect the power port. **30** Connect the power port. **31** Connect the power port. **32** Connect 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