

Resource
Data Management

3G/4G InHand Industrial Router



MS0021

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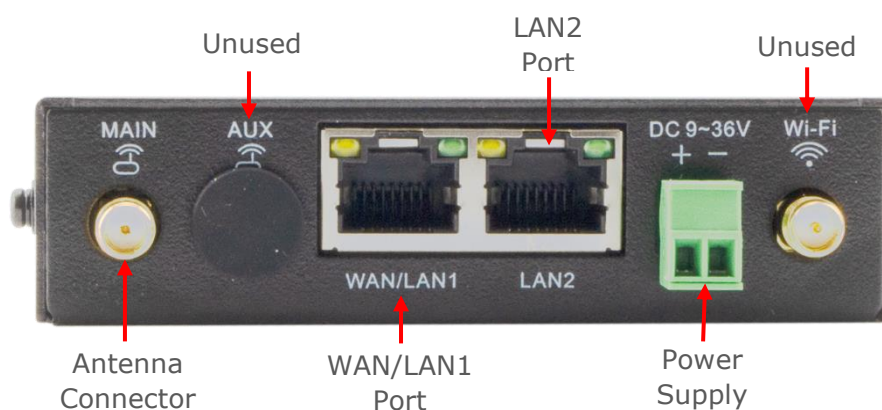
Ordering Information

When ordering use the following part numbers for the router and accessories:

Part Number	Part Description
MS0001*	10 MB per Month Data Service (Monthly Fee per active SIM)
MS0002*	20 MB per Month Data Service (Monthly Fee per active SIM)
MS0003*	50 MB per Month Data Service (Monthly Fee per active SIM)
MS0010	M2M data SIM card (standard)
MS0021	3G/4G InHand Industrial Router
MS0025	Outdoor 3G/4G Antenna with 5m Cable (5dBi Gain)

* An ActiveFM subscription is required, for more information please contact sales@resourcedm.com.

Device Information



* Reset button shouldn't be pressed due to all modems are pre-configured.



3G/4G Antenna

The 3G/ 4G signal of the router can be increased by fitting the Cellular antenna supplied with the device. It should be attached on the connection marked MAIN on the rear of the device. See above for connection location.



LED Indicator Description

Power	Status	Cellular	Definition
Off	Off	Off	No Power
On	Off	Off	System Fault
On	On	Off	Module or SIM Card not identified
On	On	Flash	Dialling
On	On	On	Dialling Success
On	Flash	On	System Upgrade
On	Flash > On	Off	Finalised Writing > Finalised Writing

Signal Strength LED	
Red	Signal values 0-10
Yellow	Signal values 11-20
Green	Signal values 21-30

Setting up the InHand Router

DMTouch/miniDM

1. Power the modem, using the included 12Vdc power supply.
2. Insert SIM card into SIM1 slot
3. Using an Ethernet cable, connect the router's LAN1 socket to the USB secondary IP adapter plugged into the side of the DMTouch.
4. Set up Eth1 in the 'Network Card Setup' page with the following details: -

The screenshot displays the 'Network Card Setup' interface. It features a table for interface settings and a section for global settings.

Interface	Settings
eth0	Address: 10.1.2.75
	Netmask: 255.255.255.0
eth1	Address: 192.168.1.2
	Netmask: 255.255.255.0

The options below are global settings:

Default gateway:	192.168.1.1
Name servers:	
Run DHCP server on internal interface:	☒

5. Now generate an alarm or use the Modem Alarm Test option in the 'Alarm Actions' page. See next section to send alarms to RDM's General Server.
6. Check the system log to confirm the alarm has dialled out successfully.

Mini/Intuitive TDB

1. Power the modem, using the included 12Vdc power supply.
2. Insert SIM card into SIM1 slot
3. Using a CAT5 cable, connect the router's LAN1 socket to one of the Ethernet ports on the Intuitive TDB.
4. Set up the Network Card Setup page with the following details: -

Interface	Settings
eth0	Address: 192.168.1.2
	Netmask: 255.255.255.0
	Static Address: 192.168.1.2
	Static Netmask: 255.255.255.0

The options below are global settings:

Default Gateway:	192.168.1.1
Name servers:	
Controller name:	Intuitive V2 TDB

5. Now generate an alarm or use the Modem Alarm Test option in the 'Modem Setup' page. See next section to send alarms to RDM's General Server.
6. Check the system log to confirm the alarm has dialled out successfully.

Setting up the DMTouch or Intuitive to dial out to RDM

DMTouch

To set the DMTouch to send alarms to the RDM alarm server, log into Service/Alarms/Modem Setup and set up one of the modems with the following details:

Number/URL	Type	Retries	Period (mins)	Options
1 10.95.1.5	Modem	20	5	☒ Send Clear ☐ Send Extra
2	Modem	20	5	☒ Send Clear ☐ Send Extra
3	Modem	20	5	☒ Send Clear ☐ Send Extra
4	Modem	20	5	☒ Send Clear ☐ Send Extra
5	Modem	20	5	☒ Send Clear ☐ Send Extra

Note: The dialout will stop on the first number that succeeds.

The Number/ URL should be 10.95.1.5* and modem type should be 'Modem'.

Intuitive TDB

To set the Intuitive to send alarms to the RDM alarm server, log in to Service/Alarms/Export/Modem Setup and set one of the modems with the following details:

Address	Type	Retries	Period (mins)	Options
1 10.95.1.5	HTTP	20	5	☒ Send Clear
2	HTTP	20	5	☒ Send Clear
3	HTTP	20	5	☒ Send Clear
4	HTTP	20	5	☒ Send Clear
5	HTTP	20	5	☒ Send Clear

Note: The dialout will stop on the first address that succeeds.

The Number/ URL should be 10.95.1.5* and modem type should be 'http'.

***Note:** Please be aware that this IP address may change. Please consult your RDM Accounts manager for details.

Standard Accessories

Accessories	Unit	Description
IR300	1	IR300 Series Industrial 4G Router
Power Supply	1	12v AC Adaptor
Power Terminal	1	2-pin Green Power Terminal
Ethernet Cable	1	1.5m Ethernet Cable
Antenna	1	3G/4G Antenna

Warranty

The device comes with a third party manufacturer's warranty one 1 year.

Disclaimer

This is a third party device, RDM cannot be held responsible for any network speed connectivity issues.

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Visit www.resourcedm.com/support for more information on RDM solutions, additional product documentation and software downloads.

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