



# Firewalls and Router – IRF1000/3000 series

## Maximum security for industrial networks

Simple and intuitive to use, the firewall carries out demanding security tasks and is ideal as remote maintenance centre, router or as IIoT gateway / edge device in a control cabinet.



Industrial Firewalls and Router -  
IRF1000 series - IRF3000 series

### IRF1000 and IRF3000 series

- > IRF1000 series: Router and firewall for entry-level application with a machine network up to 100Mbit/s
- > IRF3000 series: High-end router and firewall with up to eight subnets and up to 1000Mbit/s
- > Full control over small and large network topologies
- > The operator can easily initiate remote maintenance using a key switch
- > The entire firewall configuration can be stored on a memory card

### Industrial Internet of Things – Industry 4.0

- > Integration of common IoT protocols (OPC UA, ModbusRTU and ModbusTCP)
- > Data Push for predictive maintenance, machine learning and other big data applications
- > Connection to any third party cloud via MQTT

### Big-LinX® IIoT service- & maintenance-platform

- > Worldwide access to machines and plants via smartcard secured VPN
- > Administration and management of all installed systems
- > Simple data push with Big-LinX

# Technical data



Industrial IT

	IRF14x1	IRF34x1	IRF38x1
CPU	ARM 32-bit 567Mhz	ARM 64-bit 4 x 1,6Ghz	
RAM	512 MB	4 GB	
Flash	4 GB	8 GB	
Network	4 x 100 Mbit/s	4 x 1000 Mbit/s	8 x 1000 Mbit/s
Max. physic. subnets	2	4	8
WWAN	EU or EMEA + US	EU or EMEA + US 5G: Europe	
VPN	Big-LinX, OpenVPN, IPSec		
Firewall operating modes	IP-router (two subnets); transparent bridge	IP-router (two subnets); IP-router extended (up to eight subnets); transparent bridge	
Interfaces	1 x RS485 Half Duplex (ModbusRTU) 1 x SCM card slot 1 x SIM card slot for WWAN  <b>with WWAN Modul:</b> 1 x SMA for external WWAN antenna	1 x USB 1 x RS485 Half Duplex (ModbusRTU) 1 x SCM card slot 1 x SIM card slot for WWAN  1 x microSD UHS-II card slot for memory expansion  <b>with WWAN Modul:</b> 2 x SMA for external WWAN antenna	1 x USB 1 x RS485 Half Duplex (ModbusRTU) 1 x SCM card slot 1 x SIM card slot for WWAN  1 x microSD UHS-II card slot for memory expansion  <b>with WWAN Modul:</b> 2 x SMA for external WWAN antenna 1 x SMA for external GPS antenna
Digital In	1 x	2 x	5 x
Digital Out	-	1 x	4 x
DNV GL	✗	✓	✗
Operating temperature	30 °C to +70 °C	-20 °C to +70 °C	
Protection class	IP30	IP20	
Dimensions (W x H x D)	94.8 x 134.5 x 29.9 mm	115.0 x 150.0 x 35.0 mm	115.0 x 150.0 x 57.0 mm

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