

Firewalls and Routers IRF1000/3000 series Maximum security for industrial networks



Industrial Firewalls and Routers **The security solution for plant and machines**

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.

HIGHLIGHTS

- Perfect for remote maintenance and Industry 4.0
- Smartcard-based security concept
- Configuration wizard for easy installation
- Optional 4G/LTE mobile support for wireless internet access



Industrial Firewall and Router
IRF1000 series



Industrial Firewall and Router
IRF3000 series

Industrial Firewalls and Router **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

The Industrial Internet of Things – Industry 4.0 **Collect and send data**

- Integration of common IIoT 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

IRF1xxx / IRF34xx / IRF38xx

Technical data

	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		
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 <u>with WWAN Modul:</u> 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 <u>with WWAN Modul:</u> 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 <u>with WWAN Modul:</u> 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	✗	Coming 22/23	✗
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

