

Four-Faith Industrial Router F-R100

Visión General

Four-Faith F-R100 es un enrutador celular inteligente diseñado para aplicaciones industriales que requieren una conectividad impecable. Proporciona una conectividad remota segura, confiable, en tiempo real para SCADA, sistemas de administración de distribución, medición, etc.

Las opciones de red de múltiples operadores definidas por software, modelos de SIM dual, 802.11n y global 2.5G / 3G / HSPA + / LTE facilitan la conexión. Con montaje en riel DIN, amplio rango de temperatura de funcionamiento y carcasa de metal IP30, el F-R100 es una solución conveniente pero confiable para cualquier aplicación inalámbrica industrial.

Beneficios

- Conmutación por error avanzada: maximiza el tiempo de actividad al cambiar sin problemas entre las múltiples interfaces de Internet (celular, WAN, WIFI, SIM dual).
- Múltiples esquemas de tunelización: proteja sus datos utilizando una variedad de esquemas de tunelización VPN, incluidos IPSec, L2TP, PPTP, OpenVPN y GRE.
- WIFI flexible: 802.11 b / g / n, WIFI configurable como WAN o punto de acceso, Seguridad WIFI (WEP / WPA / WPA2 Mixed Mode) y SSID múltiple.
- Ethernet, serie y E / S para conectar diversos activos de campo.
- Four-Faith Remote Management proporciona configuración masiva, administración de dispositivos, actualización OTA y herramientas de resolución de problemas.



Especificaciones

Servicios de Administración	• Secure cloud-based device management application • Remote provisioning • Gateway configuration and template management • Configurable monitoring and alerting • Software and radio module firmware updates • Auto configuration	INTERFACES DE GESTIÓN	• Web-Based User Interface • Device Configuration Templates • Software and radio module firmware updates • AT Command Line Interface (Telnet/SSH/Serial) • SMS Commands (Option) • SNMP
DIMENSIONES	• Housing & Weight: Metal, 520g • Dimension: (L x W x H): 133 x 115.7 x 45 mm • Installation: 34.6 mm Din-Rail or wall mounting or desktop		

No. Modelo	Descripción
F-R100-W	Cellular (WCDMA/HSDPA/HSUPA/HSPA+), WIFI, SIM*1(Expandable to 2), I/O(2*DI, 1*DO, 1*Relay.), GPS(Optional)
F-R100-FL	Cellular (LTE/WCDMA), WIFI, SIM*1(Expandable to 2), I/O(2*DI, 1*DO, 1*Relay.), GPS(Optional)
F-R100-L	Cellular (LTE), WIFI, SIM*1(Expandable to 2), I/O(2*DI, 1*DO, 1*Relay.), GPS(Optional)
F-R100-W/W	Cellular (WCDMA/HSDPA/HSUPA/HSPA+, Dual-Module), WIFI, SIM*2, I/O(2*DI, 1*DO, 1*Relay.), GPS(Optional)
F-R100-FL/FL	Cellular (LTE/WCDMA, Dual-Module), WIFI, SIM*2, I/O(2*DI, 1*DO, 1*Relay.), GPS(Optional)
F-R100-L/L	Cellular (LTE, Dual-Module), WIFI, SIM*2, I/O(2*DI, 1*DO, 1*Relay.), GPS(Optional)

Lista de Empaque



F-R100



Cellular Antenna



WIFI Antenna



Power



Terminal Block



Line

Especificaciones

CELLULAR WAN	- Supported Frequency Bands – LTE: B1, B2, B3, B4, B5, B7, B8, B20, B28 – WCDMA: 2100(B1), 1900(B2), 850(B5) – EV-DO/CDMA: 800(BC0) – GSM/GPRS/EDGE: 850/900/1800/1900 - Automatic SIM based network operator switching	WIFI	- IEEE802.11 b/g/n, AP and client mode. - Adjustable output power (Max: 26dBm) - Access point for up to 30 clients - Simultaneous access point/client mode - WEP, WPA-PSK, WPA2-PSK etc. Security
HOST INTERFACES	10/100 Base-T RJ45 Ethernet port - RS-232 or RS-485 Serial Console Port 3 SMA antenna connectors (Wi-Fi and Double-cellular) - Active GPS antenna support (option) (6) pin 3.5mm terminal block	NETWORK AND ROUTING	- Network Address Translation (NAT) - Port Forwarding - Host Port Routing - VRRP - Reliable Static Route - Dynamic DNS
INPUT/OUTPUT	(6) pin 3.5mm terminal block. (2) DI, (1) DO, (1) Relay. - Input ON Voltage: 5 to 30 VDC. - Input OFF Voltage: 0 to 3 VDC. - Output < 50mA @ 30VDC. - Relay: 1A 200VAC/30VDC	VPN	- IPSec, GRE, and OPENVPN Client - Up to 10 concurrent tunnels - Split Tunnel - Dead Peer Detection (DPD) - Multiple Subnets - VPN Failover
LAN	- DNS, DNS Proxy - DHCP Server - IP Passthrough (option) - VLAN - Host Interface Watchdog - Port Mirroring	SECURITY	- Remote Authentication - DMZ - Inbound and Outbound Port filtering - Inbound and Outbound Trusted IP - MAC Address Filtering.
SERIAL	- TCP/UDP PAD Mode - Modbus (ASCII, DTU, Variable) - PPP - Reverse Telnet	GPS (Option)	- Antenna Interface: SMA Female, 50 ohms impedance - Tracking Sensitivity: better than -144 dBm - Horizontal position accuracy: 2.5 m - Time-To-First-Fix: 29 s - Protocol: NMEA-0183 V2.3
EVENTS ENGINE (Option)	- Custom event triggers and reports. - Configurable interface, no programming. - Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature. - Report Types: TCP, UDP, SMS, SNMP Trap, HTTP, JSON. - Event Actions: Drive Relay Output.	OPERATION ENVIRONMENT	- Operating Temperature: -35°C to +75°C / -31°F to +167°F - Storage Temperature: -40°C to 85°C / -40°F to 185°F - Humidity: 90% RH @ 60°C