

RK20 / RK21 / RK22

Router industriali per teleassistenza



I sistemi RK20, RK21, RK22 rappresentano una soluzione stand-alone book mounting, per montaggio a muro o su guida DIN, dedicata alla teleassistenza. Sono basati su sistema operativo Linux e processore ARM Cortex A7/M4 (i.MX7) a 1GHz con un contenitore in alluminio.

RK20, RK21 e RK22 hanno due porte Ethernet 10/100/1000 Mbps per la connessione Internet e per la connessione con i dispositivi di automazione, un'interfaccia seriale multistandard isolata e una porta USB 2.0. I sistemi hanno un'alimentazione 9÷34 VDC isolata e includono un input

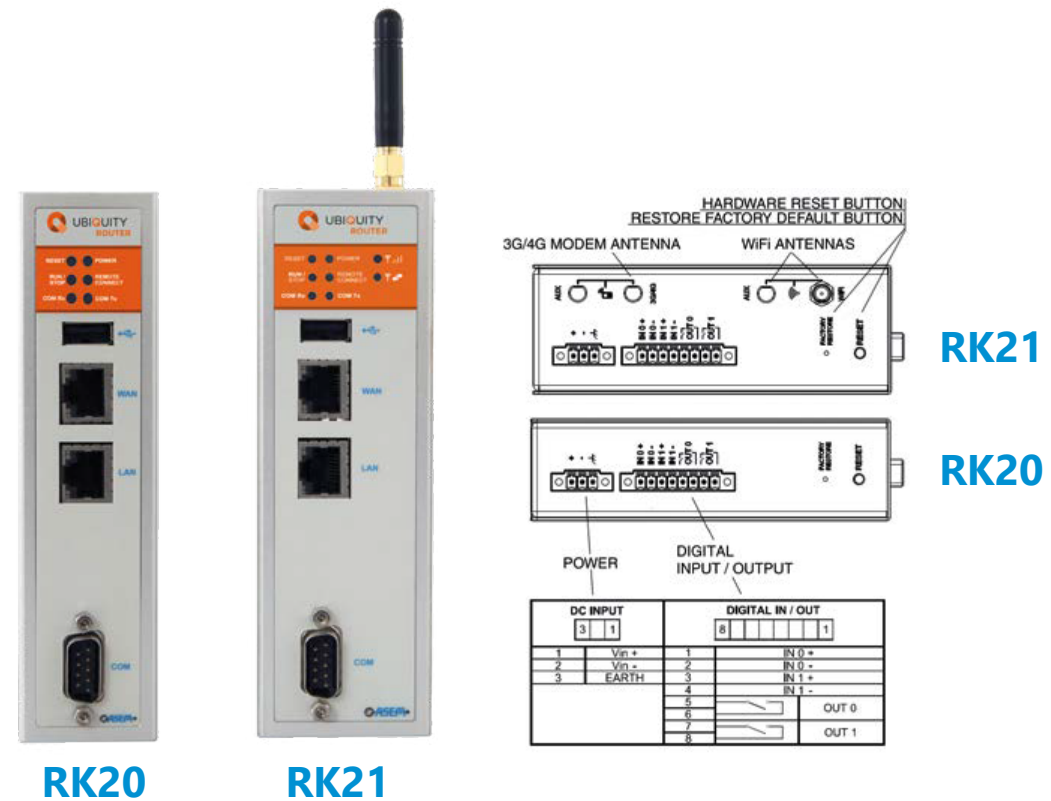
digitale a 24VDC per la chiave di sicurezza che attiva il Router anche a distanza, un input digitale a 24VDC per la funzione di reset a distanza, un'uscita a relay a bassa tensione che permette di remotare la segnalazione "UBIQUITY RK abilitato alla connessione WAN" e un'uscita a relay che permette

di remotare la segnalazione di "servizio di teleassistenza in corso". RK21 e RK22 integrano un modem 2G/3G/4G-LTE, compatibile con le reti mobili internazionali. RK22 prevede anche uno switch Ethernet a 4 porte.

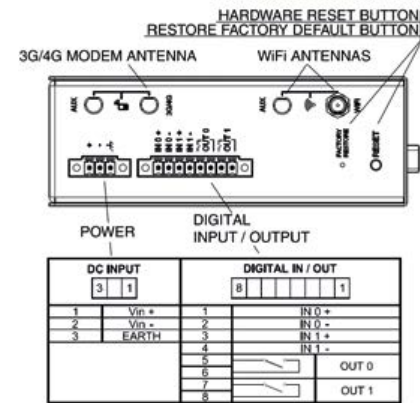


+ Highlights

- Il software UBIQUITY crea una VPN tra il PC di teleassistenza e il Router abilitando l'accesso ai dispositivi di automazione Ethernet, Seriali o USB ad esso collegati
- Debug, programmazione e update del software dei dispositivi di automazione collegati via Ethernet e Seriale al sistema RK
- Tecnologia VPN proprietaria progettata per la comunicazione industriale
- Setup e configurazione immediati
- Compatibile con i firewall più diffusi
- RK21 e RK22 possono integrare un modem 2G/3G/4G (LTE) per l'accesso ai macchinari e agli impianti senza connessione internet cablata
- RK22 integra uno switch Ethernet a 4 porte



	RK20	RK21 WiFi	RK21 4G GLOBAL
REMOTE ASSISTANCE SW	ASEM UBIQUITY Router Runtime		
O.S. INSTALLED	Linux		
CELLULAR NETWORK	Standard	-	2G/3G/4G LTE up to 50Mbps upload / 150Mbps download
	Antenna		1 x SMA-F connector
SIM			1x SIM card socket push-push type
	Standard	-	IEEE 802.11 a/b/g/n (on "WiFi" models only)
WiFi	Features	-	Client / Access point (on "WiFi" models only)
	Security	-	WPA2 (on "WiFi" models only)
	Rx Sensitivity	-	802.11a: -73dBm / 802.11g: -74dBm / 802.11n(2,4GHz): -72dBm@HT20, -69dBm@HT40 / 802.11n(5GHz): -69dBm@HT20, -68dBm@HT40 (on "WiFi" models only)
	Antenna	-	2 x RP-SMA-F (on "WiFi" models only)
CASE	Material	Aluminium	
	Mounting	DIN rail book mounting holders, wall book mounting kit included	
	Dimensions	36x138x116 mm	45x138x116mm
PROTECTION GRADE	IP20		
PROCESSOR	ARM Cortex A7/M4 processor i.MX 7Dual 1GHz		
SYSTEM MEMORY - RAM	1 GB DDR3L soldered		
MASS STORAGE	8 GB eMMC MLC (Solid State Disk), 8bit file system organization		
LAN	1 x Ethernet 10/100/1000Mbps (RJ45 - LAN)		
	1 x Ethernet 10/100/1000Mbps (RJ45 - WAN)		
USB	1 x USB 2.0 (Type-A)		
SERIAL	1 x RS232/422/485 (DB9M) isolated		
DIGITAL INPUT	IN0	Security key for WAN connection activation. Function managed by Control Center	
	IN1	UBIQUITY Router software reset	
	Type	0÷24VDC, 500V isolated	
DIGITAL OUTPUT	OUT0	UBIQUITY Router WAN enabled connection signal	
	OUT1	Remote assistance service running signal	
	Type	Output with relay 200mA@24VDC max for contact (N.O. - normally open)	
BUTTONS	UBIQUITY Router hardware reset UBIQUITY Router factory default restore		
POWER SUPPLY INPUT	12/24VDC (9÷34VDC) isolated		
OPERATING TEMPERATURE	-20°C ÷ 65°C	0°C ÷ 60°C	-20°C ÷ 65°C
			0°C ÷ 60°C with WiFi
APPROVALS	CE, cULus listed (61010)		



RK22

RK22

	RK22	RK22 4G GLOBAL
REMOTE ASSISTANCE SW	ASEM UBIQUITY Router Runtime	
O.S. INSTALLED	Linux	
CELLULAR NETWORK	Standard	-
	Antenna	2G/3G/4G LTE up to 50Mbps upload / 150Mbps download 1 x SMA-F connector
	SIM	1x SIM card socket push-push type
WiFi	Standard	IEEE 802.11 a/b/g/n (on "WiFi" models only)
	Features	Client / Access point (on "WiFi" models only)
	Security	WPA2 (on "WiFi" models only)
	Rx Sensitivity	802.11a: -73dBm / 802.11g: -74dBm / 802.11n(2.4GHz): -72dBm@HT20, -69dBm@HT40 / 802.11n(5GHz): -69dBm@HT20, -68dBm@HT40 (on "WiFi" models only)
CASE	Antenna	2 x RP-SMA-F (on "WiFi" models only)
	Material	Aluminium
	Mounting	DIN rail book mounting holders, wall book mounting kit included
PROTECTION GRADE	IP20	
PROCESSOR	ARM Cortex A7/M4 processor i.MX 7Dual 1GHz	
SYSTEM MEMORY - RAM	1 GB DDR3L soldered	
MASS STORAGE	8 GB eMMC MLC (Solid State Disk), 8bit file system organization	
LAN	1 x 4 ports unmanaged Ethernet switch 10/100/1000Mbps (RJ45 - LAN) 1 x Ethernet 10/100/1000Mbps (RJ45 - WAN)	
USB	1 x USB 2.0 (Type-A)	
SERIAL	1 x RS232/422/485 (DB9M) isolated	
DIGITAL INPUT	IN0	Security key for WAN connection activation. Function managed by Control Center
	IN1	UBIQUITY Router software reset
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OPERATING TEMPERATURE	-20°C ÷ 65°C	
	0°C ÷ 60°C with WiFi	
APPROVALS	CE, cULus listed (61010) pending	