

CASE STUDY: wireless self-service terminals





ATM, LOTTERY and TICKETING MACHINES, KIOKS, POS

Demand for self-service terminals in many retail business sectors is growing. Different from staff service self-service machine like ATMs ticketing or lottery machines, KIOSK, POS can provides 24/7 service to your customers, to satisfy their demands every day and hour. Wireless mobile network for data transfer from machines is getting more and more popular. Why is that? Using mobile wireless network for data connectivity gives you freedom to change your self-service terminals locations any time it is needed. Mobile wireless network is also cost effective in case there is no landline available in the location you would like to put your terminal. No expensive investment in wire network infrastructure is needed then. The cellular signal coverage is all you needed.

Furthermore for any ATM, lottery, ticketing machines key requirements are: security, stability, reliability.

RICON wireless networking solution combines all of those requirements and provides reliable, flexible and cost effective wireless networking solutions for retail business sectors for their self-service terminals. With the help of RICON solutions you can put your self-service terminals anywhere you want without astronomical investment in data connectivity network infrastructure. Furthermore RMS Ricon Management System, working together with RICON router as a part of the RICON solution; monitors connectivity on the mobile network, informs about network availability, signal strengths, etc., also controlling devices remotely.

Benefits:

- Easy network deployment;
- Extremely flexible;
- Offer both LAN and WLAN access;
- Expands retail services in most convenient and cost effective way;
- Security, stability, reliability.

RICON solution for SELF-SERVICE TERMINALS

RICON 3G/4.5G router

- LTE/ 3G (dual module possible)
- WAN/ Wi-Fi multiple network backup
- WAN: PPPoE, Static IP, DHCP Client
- VPN: IPSec, GRE, PPTP, L2TP
- Ethernet 10/100, USB (optional), RS-232
- Local & Remote Firmware Update
- Web /CLI/ SSH/ RMS Ricon Management System



C€0678 ③ RoHS

RMS Ricon Management System

A monitoring system that is designed for continuous monitoring, control, diagnostics and maintenance of multiply LTE routers and entire communication system. It is an indispensable tool for remote network management.

RICON Mobile

www.riconmobile.com



Option 2: single module/ dual SIM



Portfolio of RICON products and services enables to deploy secure and robust wireless network. Embracing connectivity usuing wireless 3G and 4.5G technologies our Customers benefit from reliable network even in the most remote,

hazardous locations. RICON team cooperates closely with Customers to provide them with a most suitable application. RICON has experience and know-how which we would like to share with you.

RICON routers and management platform major features are specially designed to meet multiply requirements of self-service terminals projects.

• Dual SIM functionality enable seamlessly alternative between two networks when one of the network signal is poor or enable to switch upon desire to other network with flexible switching time,

 Dual GSM module enable persistent network connectivity with no break in time during the network switch,

 Guaranteed security and privacy in all the transactions: VPN support, GRE over IPSec, IPsec over PPTP/L2TP,

- Safety mechanism to avoid unintentional SIM cards manipulations,
- 4 x Ethernet 10/100M is available by default,
- NAT/PAT/Port forwarding dynamically and static options are available by default,
- Router supports DHCP Server, DHCP relay and other standard DHCP features by default,
- HTTPS/HTTP supports are available by default,
- Telnet and SSH accesses,
 SNMP agent,
 LTE/ HSUPA/HSDPA/UMTS/EDGE/GPRS Quadband support,
 RMA process for faulty routers,
 Configured via GUI and remotely via RMS Ricon Management System,
 Centralized control for firmware upgrade available as a section of the RMS Ricon Management System,
 Centralized statistic collection to show router uptime, network attachment, signal strength and where possible latency and packet loss per device and per router group on RMS Ricon Management System,
 Centralized control for the configuration management and group based configuration.
 For this specific project all the routers can be delivered with a project related pre-configuration.



RMS Ricon Management System centralizes access to all remote nodes, giving the user ultimate management control over the hardware. RMS Ricon Management System provides full control over data transfer and network diagnostics of thousands of routers and mobile devices on the network. Remote accessibility to the RMS Ricon Management System from any location gives the user fingertip control over multiple devices allowing the user to assess, diagnose, manage, control and resolve any problem within a very short period of time. Platform has a major impact on the cost of ownership, allowing redistribution of other valuable resources.

Some of the RMS Ricon Management System features include:

- touchless installation by remote configuration,
- device grouping,
- batch remote configuration,
- scheduled remote configuration,
 - scheduled remote firmware upgrade/downgrade,
- multiple simultaneous terminal configuration updates,
- setting customized SLA warning thresholds,
- SLA based live alarms,
- live connectivity information,
- live reports,
- terminals detailed data stream info,
- terminals detailed data stream reports for trend analyses,
- terminals alarms reports for trend analyses,
- more information



		@ 2019-63-29 06: 19:32 😡 admin	RICON													0 20002	981556	i
alt TOP @ Plow @ Online @ Network @ Modern	la Cat		= 🐼	State of	onvene Øos												Search	
Q. + + 2019-02-28 + 2019-03-29 - +		0 :																
Apl Rame	Success Times	failedTimes			72/ 20/ 92			🔊 73/ 73				8 2					4 0	
				04	ine/Office/Total			Online today/yesterd	y S		1	Task Reboot Config	Upgrade			A4	ann today	
	No data		2															
				an Semile Oke	ibout O Upgrade O More =	Crowp	P 000	ce 1640 Network by	pe Last Connect	Online duration 1	oday unage 📋	Munth snage C	eder 100	Locher code Lo	ocher address Lo	acher domain	SNR	Carrier
No records to view			<u>ت</u>		V7.02_T1_Koon_v1_100116	Default Group 88		(Pere	0529 07.55	7641min	0.0008	0.0006						
			22		V7.0.2_T1_ROOM_v1_100116			(Pere	0529 07 55	7h42mm	0.0008	0.0000			-			
				228341071411027	V7.0.2_T1_R00A_V1_100116			Ctere	05/29 07.55	7h43mm	0.0008	0.0006						
			~	f40) 228-0127L 1006376			20.11121	UTE	0529 07 54	7h42min	24.424/8	2 19608			-			
			目	540) 22R-010FL1006416	V7.9.2_T1_Kcon_v1_100116		203 105 142	VICOMA	0329 07 55	7h42min	25 00348	2 20608						
				616 22R-0107L2001362	V7.0.2_T1_R004_v1_100116			(tere	03/29 07 55	7542min	306.000×8	15.70-648			-			
			\sim	200 200/010/L2000402		Default Group 813		(tere	05/29 07 54	2543mm	134 65 948	15.779348						
				645 228 0107L200511	V7.0.2_T1_roon_v1_100116			(tere	0529 07 54	7h43min	219 709×8	150.76768			-			
				2201704712100440		Default Group 78		(tere	03/29 07 55	7h42min	157 99648	153 53048						
				674) 228:074/L2108544	V7.0.2_T1_ricon_v1_100116			Chene	05/29 07 55	7542min	129 52948	16.01248			-			
				6×3) 228-070571,2700068	-	Default Group 178			03/29 07 55	2544556	725 130//8	206.02908						
				farg 228/7878-1998295		Default Group 24		KSPA	45/29 47 53	7524mm	721208	947 06108			-			
				614) 228/7076/1001058	V7.0.2_T1_HOM_V1_100116		1 100 49 26	(Pere	0529.07.55	7h42mm	129 55348	1771948						
				E) 228/7076,000/004		Default Group 81		Chene	0529 07 54	7h43mm	160 365+38	19 50-648		-	-		-	-
				R) 990001712140422		Default Group 78		Chene	03/29 07 55	7542min	24693	233 277×8						
					-			Chene	4529 07 55	7h42min	130 582×8	6 23246						
				 monormania 														
					V7.0.2_T1_room_v1_100116													
								6										

RICON Mobile

www.riconmobile.com