



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



RAM 6000 3G Specifications

WIRELESS INTERFACE

(AT) HSPA+ with fallback to GSM
 (GE) HSPA+ with fallback to GSM
 (EU) HSPA+ with fallback to GSM
 4G LTE can be unlocked via software license key

SELECTABLE IIOT CLOUD PLATFORMS*

Amazon®—AWS™ IoT
 AT&T®—M2X
 Autodesk®—Fusion Connect
 Cumulocity
 LEC—IQ Web SCADA
 Microsoft—Azure®
 Nokia—IMPACT
 Set-Point Control—IPwebcontrol
 Skkyne®—SkkyHub™
 Telenor—Connexion Cloud Connect
 Telit®—deviceWISE®

PROGRAMMABLE PLATFORM

Configurable Events: up to 99 events can be triggered by over 200 system variable which in turn can send text messages or control I/O
 Software Development Kit (SDK)
 C/C++/Perl

SYSTEM PERFORMANCE

32-bit ARM9 400 MHz CPU
 512 MB NAND
 128 MB RAM

TUNNELING

IPsec, GRE, OpenVPN

ROUTING PROTOCOLS

OSPF, BGP, RIP

CLUSTERING

VRRP

IP

NAT, Port Forwarding, Dynamic DNS, DHCP
 Stateful Inspection Firewall, IP Transparency

CONNECTORS

Ethernet: One (1) or five (5) 10/100Base-T RJ-45 ports
 WAN capability on port 5
 Serial: One (1) RS-232 (DB9) 115,200bps
 USB: One (1) USB 2.0 (mini)
 Antennas: Three (3) SMA connectors (antenna, diversity, GPS [only available on 69xx model])

INPUTS & OUTPUTS

Input: One (1) digital/analog
 Output: One (1) digital (open-collector)

POWER INPUT

Input Voltage: 8-30 VDC (12 or 24 VDC nominal)
 Standby Power: 1.4W - 4.0W (typical)
 Transmitting:
 6701: 2.6W - 6.9W
 6721: 4.3W - 8.7W
 6901: 2.6W - 6.9W
 6921: 4.3W - 8.7W
 Heat dissipation: 30 BTU/hour max

MECHANICAL

RAM-6x01
 Dimensions: 120 x 96 x 32 mm (4.7" x 3.77" x 1.25")
 Weight: 453g (1 lb)
 RAM-6x21
 Dimensions: 120 x 96 x 51 mm (4.7" x 3.77" x 2.0")
 Weight: 500g (1.1 lbs)

ENVIRONMENTAL

Operating Temperature: -40° to +75°C*
 Shock: IEC60068-2-27
 Vibration: IEC60068-2-6
 Humidity: 5 to 95% non-condensing
 Ingress: IP30 protection

CERTIFICATION

EMI/EMC:
 Emissions: FCC, Part 15 and Industry Canada, ICES-003; Class A; EN55022, IEC61000-6-4
 Immunity: IEC61000-6-2 (EN61000-4-2,3,4,5,6,8)
 Hazardous Locations: Class I, Div. 2, Groups A, B, C, D, ISA 12.12.01
 Electrical safety: UL508/CSA22.2/14 (CUL); IEC61010-1
 Carrier Specific Approvals
 RoHS compliant

WARRANTY

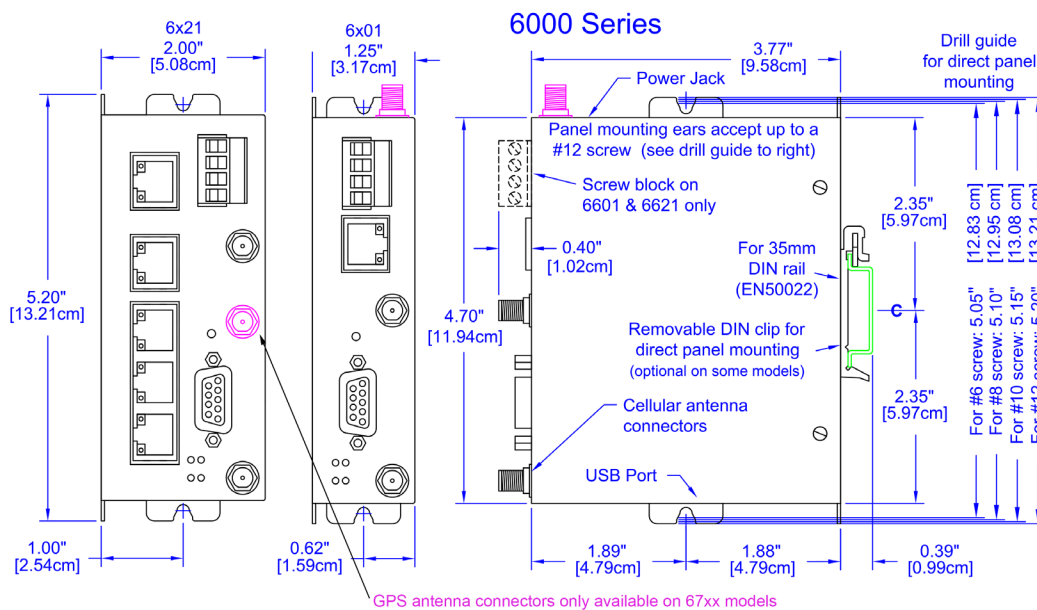
3 years on design and manufacturing defects

Specifications are subject to change. Visit www.redlion.net for more information.

*Monthly service fees may be required for cloud platform access, not all platforms client are preloaded.

**See Hardware Manual for thermal considerations.

DIMENSIONS in inches (cm)



ORDERING GUIDE

PART NUMBER	SERIAL RS-232	ETHERNET 10/100	CELLULAR	POWER CONNECTOR	DEFAULT CARRIERS
RAM-6701-AT-3G	1	1	3G GSM	4-Pin Terminal Block	(AT) AT&T America
RAM-6721-AT-3G	1	5	3G GSM	4-Pin Terminal Block	
RAM-6701-GE-3G	1	1	3G GSM	4-Pin Terminal Block	(GE) Generic America
RAM-6721-GE-3G	1	5	3G GSM	4-Pin Terminal Block	
RAM-6901-EU-3G	1	1	3G GSM	4-Pin Terminal Block	(EU) Europe and Asia
RAM-6921-EU-3G	1	5	3G GSM	4-Pin Terminal Block	

- Notes: 1. See Frequency Specifications table for compatibility.
 2. AT only for use with AT&T.
 3. AT/GE models are for use in the Americas only.
 4. EU (Europe/Asia) model is not supported in the Americas.

FREQUENCY SPECIFICATIONS

Americas Models (AT/GE)

PART NUMBER	BANDS	FREQUENCIES	ANTENNA CONFIGURATION
HSPA+	1,2,5,6	800/850/1900/2100 MHz	Diversity Support
Fallback GSM/GPRS/EDGE	-	850/900 MHz	-

Europe and Asia

PART NUMBER	BANDS	FREQUENCIES	ANTENNA CONFIGURATION
HSPA+	1,2,5,8	850/900/1900/2100 MHz	Diversity Support
Fallback GSM/GPRS/EDGE	-	850/900/1800/1900 MHz	-

ACCESSORIES

PART NUMBER	DESCRIPTION
Antennas	
ANT-G30B108111	2G/3G/4G Low-Profile Direct Perm. Mount, 1 SMA Antenna
ANT-GA110101111	2G/3G/4G LTE 13" Whip Magnetic Mount, IP65, 1 SMA Antenna
ANT-MA710AABI001	Antenna 2G/3G/4G LTE MIMO plus GPS direct permanent mount, IP67 with 3 SMA connectors
ANT-MA741ABI001	2G/3G/4G MIMO Direct Permanent Mount, IP67, 2 SMA Antenna
Power Supplies and Adapters	
NTPS-24-1-3	NTPS-24-1-3 Power Supply
FPSALACADAPTER2	12V 18W 1.5A AC-DC Power Supply Adapter



www.redlion.net

Connect. Monitor. Control.

Americas
sales@redlion.net

Asia-Pacific
asia@redlion.net

**Europe
Middle East
Africa**
europe@redlion.net

+1 (717) 767-6511

As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our automation, Ethernet and cellular M2M technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit www.redlion.net.

ADLD0477 113017 © 2017 Red Lion Controls, Inc. All rights reserved. Red Lion, the Red Lion logo, N-Tron and Sixnet are registered trademarks of Red Lion Controls, Inc. All other company and product names are trademarks of their respective owners.