

**PRODUCT
SPECIFICATIONS**



The RCU is the central connection aggregation point for each cell-site and provides the interface to manage and control all cell-site operational subsystems.

OneBase InSite™ Connect

Remote Controller Unit

The Andrew Remote Controller Unit (RCU) is a key component of the Andrew OneBase InSite Connect system, a comprehensive turnkey system designed to fully manage remote cell-site equipment by providing centralized notification of cell-site alarms and equipment status as well as configuration and maintenance of remote cell-site equipment.

The RCU is the central connection aggregation point for each cell-site and provides the interface to manage and control all cell-site operational subsystems. This NEBS compliant device is designed such that all remote access to the cell-site subsystems via the RCU is tightly controlled and is only possible through the centrally located Central Management System (CMS).

The RCU is a 1RU rack-mountable unit with a total of 85 ports available for connectivity to local cell-site subsystems. These ports include:

- 49 Dry contact ports (Monitoring Open/Closed)
- 16 Analog ports (8 voltage and 8 current)
- 6 Relay ports (Controlling cell-site subsystems)
- 5 General purpose 10/100 BaseT Ethernet ports
- 4 General purpose serial ports (3 RS232; 1 either RS232 or RS485)
- 2 USB 2.0 ports
- 3 AISG RET controller interface ports

OneBase InSite™ Connect—Remote Controller Unit

The RCU is configured with three Remote Electrical Tilt (RET) Antenna controllers. With this feature, the RCU provides standard AISG interfaces for monitoring and controlling AISG 1.1 and AISG 2.0 compliant RET antennas and TMA's.

Connectivity back to the centrally located CMS is achieved via a dedicated backhaul Ethernet port or an optional integrated wireless modem. If connectivity back to the CMS is lost, the RCU is capable of storing up to 24 hours of cell-site subsystem data to be transmitted when connectivity is re-established.



Remote Controller Unit (RCU)

Specifications

Andrew Remote Controller Unit		
Subsystem Interface Ports	3 sets of RJ21 (TELCO) connectors with following total usage	49 Dry contact ports (Closed/Open)
		16 Analog ports (± 60 VDC or 0-20 ma. current)
		6 Form A relay output ports
	5 Ethernet ports (RJ45)	
	4 General purpose serial ports (3 RS232; 1 either RS232 or RS485)	
	2 USB 2.0 ports	
	3 AISG compliant RET controller interface ports	
Dimensions	Depth: 12 in. (35.6 cm.)	
	Height: 1.75 in. (4.45 cm.)	
	Width: 17.3 in. (44 cm.)	
Rack Mounting	19 or 23 in. racks, (1-RU)	
Weight	10.3 lbs (4.67 kg)	
Power Requirements	Dual input (A/B feed) $\pm 19 - 60$ VDC	
	115W (includes 75W for AISG)	
Environmental	+14°F to +131°F (-10°C to 55°C)	
Certifications	FCC Part 15	
	NEBS	
	UL 60950	



www.andrew.com

Visit our Web site or contact your local Andrew Wireless Solutions representative for more information.

© 2009 CommScope, Inc. All rights reserved.

Andrew Wireless Solutions is a trademark of CommScope. All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to Andrew Wireless Solutions products or services.

PA-102361.4-EN (01/09)