Model SPR/A10 Single Piece Reader/Antenna – 9dBi - 866.5 to 928 MHz UHF



Physical & Electrical:	Dimensions (Housing Only)	10.15" x 10.15" x 3.82"	258mm x 258mm x 97mm
	Weight (w/o mounting brackets)	4 lb.	1.8 kg
	Antenna Front Body	Radome, ABS w/UV Protection	Aluminum Back Plate
	Reader Rear Body	Aluminum	Bottom Cable Gland
	Voltage & Draw	8vdc to 28vdc	1.2 Amps

Read Range:	Up to 25 meters, Tag dependent

Certifications:	RoHS, CE, FCC US: FCC-OET Bulletin 65 Supplement 'C'
	EPC Gen-2 ISO 18000-6 Standard

Antenna RF:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
	Gain = 9dBi	Horizontal Beam Width 68°	Vertical Beam Width 65°
Reader RF:	902-928 MHz North America	865.6-867.6 MHz Europe & others	
	FHSS (Frequency Hopping Spread Spectrum)		
	Up to 4W (30 DBM) TPO (Total Power Output)		
	Reader DBM can be lowered through software command to adjust range		

Extras:	Relay (pins internal) 60VADC @ 350mA (NO) and Loop Detector (Input)
	Adjustable Internal Beeper

Environmental:	Temperature, Storage:	-67° to +185°F	-55° to +85°C
	Temperature, Operating:	-40° to +131°F	-40° to +55°C
	Ingress Protection:	IP65 or IP67 with added sealant	

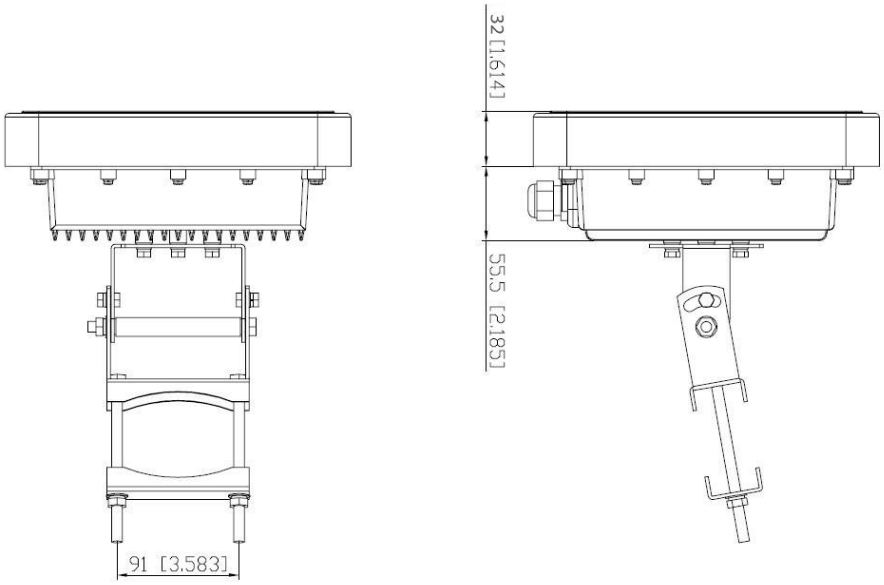
Comms:	Standard on all models:	USB and Serial	(default 115.2k, 8, 1, N)
	Allen Bradley:	Ethernet/IP	DeviceNet
	Siemens:	Profibus	Profinet
	Modicon:	Modbus RTU	Modbus TCP
	Other:	TCPIP Ethernet	Wiegand

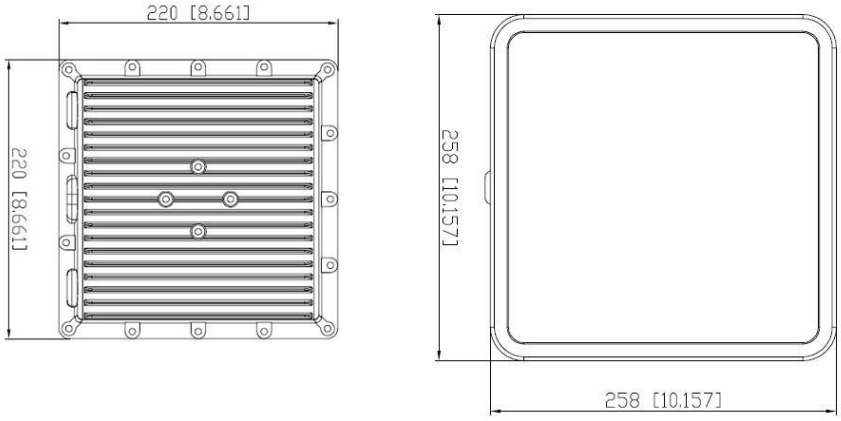
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Single Piece Reader/Antenna Part Numbers

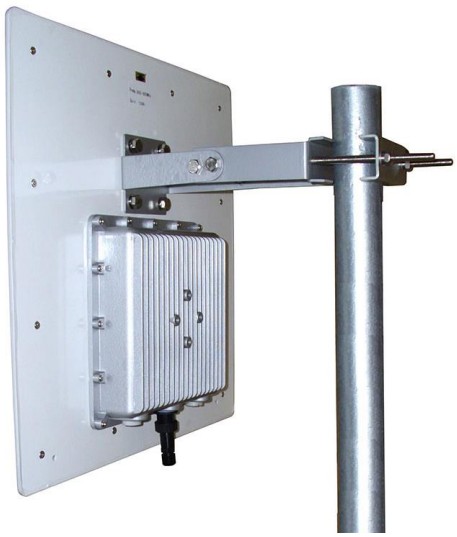
Model Number	Part Number	Description
Choose C, V or H	Choose C, V, or H	
SPR/A10-8010E-9C/V/H	819-8010-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Wiegand/USB/Serial, 9dBi
SPR/A10-8030E-9C/V/H	819-8030-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Serial/USB, 9dBi
SPR/A10-8040E-9C/V/H	819-8040-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Ethernet/IP/USB/Serial, 9dBi
SPR/A10-8050E-9C/V/H	819-8050-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., TCPIP/USB/Serial, 9dBi
SPR/A10-8060E-9C/V/H	819-8060-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., DeviceNet/USB/Serial, 9dBi
SPR/A10-8070E-9C/V/H	819-8070-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Profibus/USB/Serial, 9dBi
SPR/A10-8075E-9C/V/H	819-8075-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Profinet/USB/Serial, 9dBi
SPR/A10-8080E-9C/V/H	819-8080-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Modbus TCP/USB/Serial, 9dBi
SPR/A10-8085E-9C/V/H	819-8085-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Modbus RTU/USB/Serial, 9dBi





UHF Readers Made in the U.S.A.

Model SPR/A18 Single Piece Reader/Antenna – 12.5dBi - 866.5 to 928 MHz UHF



Physical & Electrical:	Dimensions (Housing Only)	17.7" x 17.7" x 3.54"	450mm x 450mm x 90mm
	Weight (w/o mounting brackets)	4.4 lb.	2 kg
	Antenna Front Body	Radome, ABS w/UV Protection	Aluminum Back Plate
	Reader Rear Body	Aluminum	Bottom Cable Gland
	Voltage & Draw	8vdc to 28vdc	1.2 Amps

Read Range:	Up to 30 meters, Tag dependent

Certifications:	RoHS, CE, FCC US: FCC-OET Bulletin 65 Supplement 'C'
	EPC Gen-2 ISO 18000-6 Standard

Antenna RF:	C denotes Circular Polarized H denotes Horizontal Polarized V denotes Vertical Polarized
	Gain = 12.5dBi Horizontal Beam Width 45° Vertical Beam Width 45°
Reader RF:	902-928 MHz North America 865.5-867.5 MHz Europe & others
	FHSS (Frequency Hopping Spread Spectrum)
	Up to 4W (30 DBM) TPO (Total Power Output)
	Reader DBM can be lowered through software command to adjust range

Extras:	Relay 60VADC @ 350mA (NO) and Loop Detector (Input)
	Adjustable Internal Beeper

Environmental:	Temperature, Storage:	-67° to +185°F	-55° to +85°C
	Temperature, Operating:	-40° to +131°F	-40° to +55°C
	Ingress Protection:	IP65 or IP67 with added sealant	

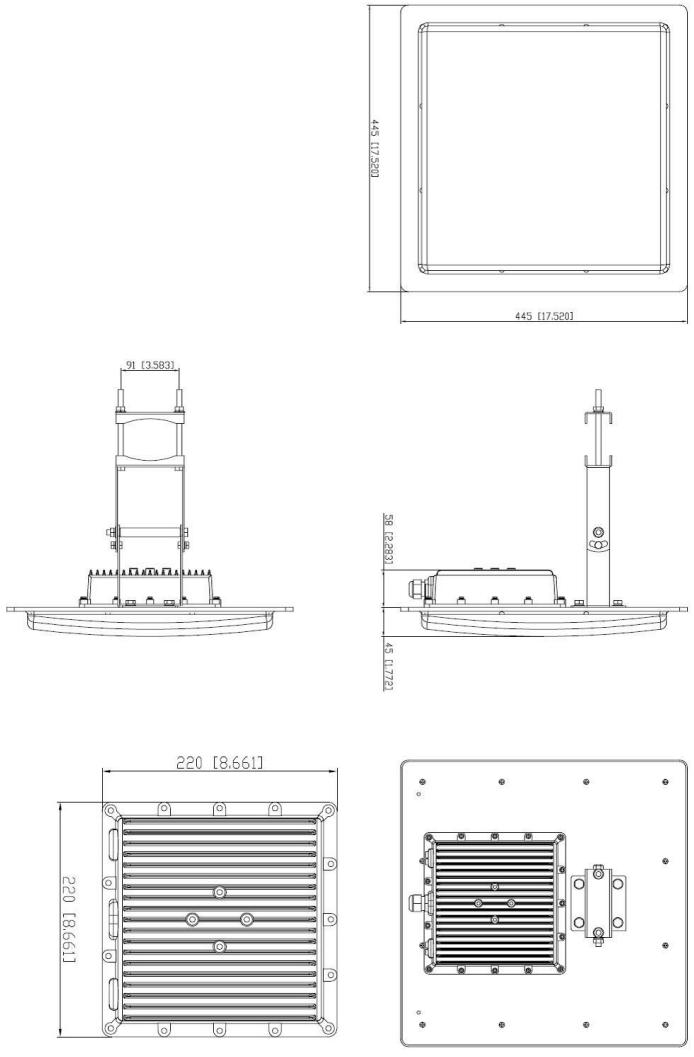
Comms:	Standard on all models:	USB and Serial	(default 115.2k, 8, 1, N)
	Allen Bradley:	Ethernet/IP	DeviceNet
	Siemens:	Profibus	Profinet
	Modicon:	Modbus RTU	Modbus TCP
	Other:	TCPIP Ethernet	Wiegand

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Single Piece Reader/Antenna Part Numbers

Model Number	Part Number	Description
Choose C, V or H	Choose C, V, or H	
SPR/A18-8010E-12C/V/H	819-8010-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Wiegand/USB/Serial, 12dBi
SPR/A18-8030E-12C/V/H	819-8030-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Serial/USB, 12dBi
SPR/A18-8040E-12C/V/H	819-8040-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Ethernet/IP/USB/Serial, 12dBi
SPR/A18-8050E-12C/V/H	819-8050-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., TCPIP/USB/Serial, 12dBi
SPR/A18-8060E-12C/V/H	819-8060-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., DeviceNet/USB/Serial, 12dBi
SPR/A18-8070E-12C/V/H	819-8070-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Profibus/USB/Serial, 12dBi
SPR/A18-8075E-12C/V/H	819-8075-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Profinet/USB/Serial, 12dBi
SPR/A18-8080E-12C/V/H	819-8080-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Modbus TCP/USB/Serial, 12dBi
SPR/A18-8085E-12C/V/H	819-8085-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Modbus RTU/USB/Serial, 12dBi



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