







FCC Band Antennas						
						
<b>Orderable Part Number</b>	805-816-002	805-609-001	805-654-001	805-655-001	805-655-002	
<b>Intermec Model Number</b>	<b>IA33E</b>	<b>IA33A</b>	<b>IA33G</b>	<b>IA33H</b>	<b>IA34B</b>	
<b>Frequency Range</b>	902 – 928 MHz	902 - 928 MHz	902-928 MHz	902-928 MHz	902-928 MHz	
<b>Gain</b>	6.0 dBi	7.0 dBi	8.5 dBic	10 dBic	10 dBic	
<b>Impedance</b>	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms	
<b>VSWR</b>	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	
<b>Axial Ratio</b>	N/A	N/A	4 dB	2.5 dB	2.5 dB	
<b>Polarization</b>	Circular, RH	Circular, RH	Circular, RH	Circular, RH	Circular, LH	
<b>Front-to-Back Ratio</b>	10 dB	18 dB	Max. -18 dB	Max -20 dB	Max -20 dB	
<b>Maximum Input Power</b>	10 W	1 W	6 W	6 W	6 W	
<b>H-Plane Beamwidth</b>	82 degrees at 3 dB	65 degrees at 3 dB	63 degrees at 3dB	60 degrees at 3dB	60 degrees at 3dB	
<b>E-Plane Beamwidth</b>	82 degrees at 3 dB	65 degrees at 3 dB	63 degrees at 3dB	45 degrees at 3dB	45 degrees at 3dB	
<b>Connector</b>	N Reverse Polarity	SMA Reverse Polarity	N Reverse Polarity	N Reverse Polarity	N Reverse Polarity	
<b>Supplied Cable and Length</b>	None	13-foot pigtail cable included	None	None	N/A	
<b>Cables</b>	<p><u>IF2 (RP TNC to RP N):</u>  13 ft: 236-230-001  22 ft: 236-231-001  30 ft: 236-232-001</p> <p><u>IM5-based readers (RP SMA to RP-N):</u>  13 foot RG58: 236-021-002  22 foot LMR200: 236-132-001  30 foot LMR240: 236-133-001  52 foot LMR600: 236-134-001 (52 foot requires 1 foot RG58 transition cable: 236-137-001).  This antenna also supports a 4.5 foot RG58 cable 203-850-001</p>	<p><u>IF2:</u>  Requires adapter 351-480-001</p> <p><u>IM5-based readers:</u>  No cable or adapter required</p>	<p><u>IF2 (RP TNC to RP N):</u>  13 ft: 236-230-001  22 ft: 236-231-001  30 ft: 236-232-001</p> <p><u>IM5-based readers (RP SMA to RP-N):</u>  13 foot RG58: 236-021-002  22 foot LMR200: 236-132-001  30 foot LMR240: 236-133-001  52 foot LMR600: 236-134-001 (52 foot requires 1 foot RG58 transition cable: 236-137-001).</p>	<p><u>IF2 (RP TNC to RP N):</u>  13 ft: 236-230-001  22 ft: 236-231-001  30 ft: 236-232-001</p> <p><u>IM5-based readers (RP SMA to RP-N):</u>  13 foot RG58: 236-021-002  22 foot LMR200: 236-132-001  30 foot LMR240: 236-133-001  52 foot LMR600: 236-134-001 (52 foot requires 1 foot RG58 transition cable: 236-137-001).</p>	<p><u>IF2 (RP TNC to RP N):</u>  13 ft: 236-230-001  22 ft: 236-231-001  30 ft: 236-232-001</p> <p><u>IM5-based readers (RP SMA to RP-N):</u>  13 foot RG58: 236-021-002  22 foot LMR200: 236-132-001  30 foot LMR240: 236-133-001  52 foot LMR600: 236-134-001 (52 foot requires 1 foot RG58 transition cable: 236-137-001).</p>	<p><u>IF2 (RP TNC to RP N):</u>  13 ft: 236-230-001  22 ft: 236-231-001  30 ft: 236-232-001</p> <p><u>IM5-based readers (RP SMA to RP-N):</u>  13 foot RG58: 236-021-002  22 foot LMR200: 236-132-001  30 foot LMR240: 236-133-001  52 foot LMR600: 236-134-001 (52 foot requires 1 foot RG58 transition cable: 236-137-001).</p>
<b>Environmental</b>	IP66 Shock: 50 g, 8ms ½ sine, 5000 impulses each direction, each axis	N/A	IP54	IP54	IP54	
<b>Weight</b>	3.0 lbs (1.4 kg)	1.25 lbs	2.65 lbs. (1.2 kg)	4.41 lbs. (2.0 kg)	4.41 lbs. (2.0 kg)	
<b>Dimensions</b>	7.7" x 7.7" x 1" (196 x 196 x 25 mm)	10.2" x 10.2" x 1.5"	12.01" x 12.01" x 0.98" (305 x 305 x 25 mm)	14.61" x 14.61" x 1.57" (371 x 371 x 40 mm)	14.61" x 14.61" x 1.57" (371 x 371 x 40 mm)	
<b>Mounting Hardware</b>	Comes with mounting hardware for use with the Adaptable Load Back Rest (ALBR)	N/A	805-653-001 Mounting Bracket (order separately)	805-653-001 Mounting Bracket (Order separately)	805-653-001 Mounting Bracket (Order separately)	
<b>Notes</b>	Designed to be used with the Adaptable Load Back Rest (ALBR). Designed with extremely wide pattern, which is redirected with the metal on the ALBR. Not suited for long range read applications.	The cable length for this antenna is set at 156 inches and Intermec does not provide a means to extend this.				

ETSI Band Antennas				
				
<b>Orderable Part Number</b>	805-816-001	805-619-001	805-626-002	805-656-001
<b>Intermec Model Number</b>	<b>IA33D</b>	<b>IA33B</b>	<b>IA36A</b>	<b>IA33F</b>
<b>Frequency Range</b>	865-870 MHz	824-896 MHz	865-928 MHz	865-870 MHz
<b>Gain</b>	6.0 dBi	5 dBi	6 dBi	8.5 dBic
<b>Impedance</b>	50 Ohms	50 Ohms	50 Ohms	50 Ohms
<b>VSWR</b>	1.5:1	1.2:1	1.5:1	1.5:1
<b>Axial Ratio</b>	N/A	N/A	N/A	2 dB
<b>Polarization</b>	Circular, RH	Circular, RH	Vertical	Circular, RH
<b>Front-to-Back Ratio</b>	10 dB	15 dB	>20 dB	Max - 18 dB
<b>Maximum Input Power</b>	10 W	50 W	100 W	100 W
<b>H-Plane Beamwidth</b>	82 degrees at 3 dB	360 degrees	90 degrees at 3dB	63 degrees at 3dB
<b>E-Plane Beamwidth</b>	82 degrees at 3 dB	120 degrees	70 degrees at 3 dB	65 degrees at 3dB
<b>Connector</b>	N	SMA Reverse Polarity	N	N
<b>Supplied Cable and Length</b>	None	13-foot (3.96 m) pigtail cable included	N/A	N/A
<b>Cables</b>	<u>IF2 (RP TNC to N):</u> 13 ft/4 m: 236-233-001 22 ft/6.7 m: 236-234-001 30 ft/9.1 m: 236-235-001 <u>IM5-based readers (SMA to N):</u> 3.2m: 236-044-002 7m: 236-045-002 9m: 236-046-002 16m: 236-135-001 (requires transition cable: 236-136-001) This antenna also supports a 1.4m cable 236-170-001	<u>IF2:</u> Requires adapter 351-480-001 <u>IM5-based readers:</u> Requires SMA plug to RP SMA plug adapter	<u>IF2 (RP TNC to N):</u> 13 ft/4 m: 236-233-001 23 ft/7 m: 236-234-001 29.5 ft/9 m: 236-235-001 <u>IM5-based readers (SMA to N):</u> 3.2m: 236-044-002 7m: 236-045-002 9m: 236-046-002 16m: 236-135-001 (requires transition cable: 236-136-001)	<u>IF2 (RP TNC to N):</u> 13 ft/4 m: 236-233-001 23 ft/7 m: 236-234-001 29.5 ft/9 m: 236-235-001 <u>IM5-based readers (SMA to N):</u> 3.2m: 236-044-002 7m: 236-045-002 9m: 236-046-002 16m: 236-135-001 (requires transition cable: 236-136-001)
<b>Environmental</b>	IP66 Shock: 50 g, 8ms ½ sine, 5000 impulses each direction, each axis		IP65	IP54
<b>Weight</b>	3.0 lbs (1.4 kg)	1.0 lbs (0.45 kg)	3.3 lb (1.5 kg)	2.65 lbs (1.2 kg)
<b>Dimensions</b>	7.7 in. x 7.7 in. x 1 in. (196 x 196 x 25 mm)	7.0 x 7.0 x 5.2 in. (17.7 x 17.7 x 13.2 cm)	10.3 x 6.1 x 1.9 in. (262 x 155 x 49 mm)	12.01" x 12.01" x 0.98" (305 x 305 x 25 mm)
<b>Mounting Hardware</b>	Comes with mounting hardware for use with the Adaptable Load Back Rest (ALBR)	N/A	203-734-001 kit included 203-733-001 kit order separately 203-735-001 order separately 203-737-001 order separately	805-653-001 Mounting Bracket (sold separately)
<b>Notes</b>	Designed to be used with the Adaptable Load Back Rest (ALBR). Designed with extremely wide pattern, which is redirected with the metal on the ALBR. Not suited for long range read applications.			