

# Kofax Ethernet Card Reader

	Multi-Card	iClass Seos + Multi-Card	iClass and Legic
Orderable Part Number	Contact your sales representative		
Environmental Compliance <sup>1</sup>	RoHS, China RoHS, REACH, WEEE		
Housing Material	PC/ABS, Quartz White		
Reader Dimensions (L x W x H)	85 x 48 x 17 mm		
Connector Box Dimensions (L x W x H)	45 x 37 x 24 mm		
Interconnecting Cable	1.8 m (captive / non-removable)		
Network Connectors	2 x RJ45 (8P8C)		
Power Connector	1.7 x 4.0 mm Barrel Jack		
Weight (including cable & connector box)	150 g	152 g	150 g
Package Includes	Reader, velcro, cable ties, cable tie mounts, 1 m Cat5e UTP Ethernet cable, power supply, blades, product safety insert		
Package Size (L x W x H)	280 x 145 x 65 mm		
Packaged Weight	515 g	515 g	515 g
Visual Indicator	Bi-color LED (Red/Green)		
Audible Indicator	Beeper (piezo element) <sup>2</sup>		
Integrated Network Switch	Self-learning 3-port (Network, Printer, Internal)		
Spanning Tree Support	No		
Network Protocols	IPv4, ARP, TCP, UDP, ICMP (ping only), IGMP v1, DNS (client, UDP only), DHCP (client, Vendor Class Identifier = "Baltech Proxreader"), SLP v2 (service agent, passive, UDP only, scope=BALTECH, service=service:x-proxreader)		
IP Address Assignment	DHCP (default), Static, Link-local		
Encryption	PKIX (X.509 ECDH, ECDSA)		
Power Source	Power over Ethernet (PoE) or included Power Adapter		
PoE Type	IEEE 802.3af, Power Class 1 (Very Low Power, 0.44 to 3.84 W)		
PoE Consumption	3.1 W	3.1 W	2.8 W
Adapter voltage	5 VDC		
Adapter Input	100 to 240 VAC, 50 to 60 Hz, 300 mA (max)		
Adapter Output	5 VDC, 1.2 A max		
Adapter Efficiency	Level VI		
Adapter Cable Length	1.5 m (5 ft)		
Operating Environment	0 to 40 °C, 20 to 80% RH (non condensing)		
Storage Environment	-10 to +70 °C, 10 to 90% RH (non condensing)		
Reliability	500,000 hours MTBF		

# PRODUCT SPECIFICATIONS

	Multi-Card	iClass Seos + Multi-Card	iClass and Legic
<b>Compatible Low Frequency (LF) Transponders</b>	AWID Cardax (raw data only) <sup>4</sup> Deister EM-Marin FDX-B <sup>4</sup> G-Prox HID Indala ASP, ASP+ (hash value) HID Proximity Hitag 1, 2 (256, 2048), S Honeywell Nexwatch Quadrakey IDTECK ioProx Keri Miro Pyramid / Farpointe Data Q5 <sup>4</sup> Radio Key / SecuraKey Sokymat Unique T5567/T5557 <sup>4</sup> Titan <sup>4</sup> Zodiac <sup>4</sup>	AWID <sup>3</sup> Cardax (raw data only) <sup>3,4</sup> Deister <sup>3</sup> EM-Marin <sup>3</sup> FDX-B <sup>3,4</sup> G-Prox <sup>3</sup> HID Indala ASP, ASP+ (hash value) <sup>3</sup> HID Proximity <sup>3</sup> Hitag 1, 2 (256, 2048), S <sup>3</sup> Honeywell Nexwatch Quadrakey <sup>3</sup> ioProx <sup>3</sup> Keri <sup>3</sup> Miro <sup>3</sup> Pyramid / Farpointe Data <sup>3</sup> Q5 <sup>3,4</sup> Radio Key / SecuraKey <sup>3</sup> Sokymat Unique <sup>3</sup> T5567/T5557 <sup>3,4</sup> Titan <sup>3,4</sup> Zodiac <sup>3,4</sup>	n/a
<b>LF Read Range<sup>5</sup></b>	10 to 30 mm	10 to 30 mm	n/a
<b>Compatible High Frequency (HF) Transponders</b>	HID iCLASS, iCLASS SE (UID only) <sup>6</sup> HID iCLASS Seos (UID only) <sup>6,7</sup> LEGIC Advant (UID only) <sup>6</sup> Calypso ISO14443 A/B general, including: • Cepas • Infineon my-d proximity • NFC Forum Tag 1-4 • NXP SmartMX, ProX • Paypass • SRIX512, SRIX4K ISO15693 general, including: • EM 4033, 4035 • Infineon my-d vicinity • NXP iCode • Tag-it ISO Mifare, including: • Classic (1K, 4K, Mini) • DESfire, -EV1 (2K, 4K, 8K) • Plus (-S, -X, L1, L2, L3) • Ultralight, -C Pico Pass Rijkspas Sony FeliCa	HID iCLASS (Full decoding) HID iCLASS SE, Seos (Full decoding) LEGIC Advant (UID only) <sup>3,6</sup> Calypso <sup>3</sup> ISO14443 A/B general <sup>3</sup> , including: • Cepas • Infineon my-d proximity • NFC Forum Tag 1-4 • NXP SmartMX, ProX • Paypass • SRIX512, SRIX4K ISO15693 general <sup>3</sup> , including: • EM 4033, 4035 • Infineon my-d vicinity • NXP iCode • Tag-it ISO Mifare <sup>3</sup> , including: • Classic (1K, 4K, Mini) • DESfire, -EV1 (2K, 4K, 8K) • Plus (-S, -X, L1, L2, L3) • Ultralight, -C Pico Pass <sup>3</sup> Rijkspas <sup>3</sup> Sony FeliCa <sup>3</sup>	HID iCLASS (Full decoding) HID iCLASS SE, Seos (UID Only) <sup>3,6,7</sup> LEGIC Prime, Advant (Full decoding) Calypso <sup>3</sup> ISO14443 A/B general <sup>3</sup> , including: • Cepas • Infineon my-d proximity • NFC Forum Tag 1-4 • NXP SmartMX, ProX • Paypass • SRIX512, SRIX4K ISO15693 general <sup>3</sup> , including: • EM 4033, 4035 • Infineon my-d vicinity • NXP iCode • Tag-it ISO Mifare <sup>3</sup> , including: • Classic (1K, 4K, Mini) • DESfire, -EV1 (2K, 4K, 8K) • Plus (-S, -X, L1, L2, L3) • Ultralight, -C Pico Pass (UID Only) <sup>3,6</sup> Sony FeliCa (UID/IDm only) <sup>3,6</sup>
<b>HF Read Range<sup>5</sup></b>	15 to 85 mm	15 to 85 mm	35 to 100 mm
<b>HF Encryption Support<sup>8</sup></b>	AES, DES, 3DES, 3K3DES, MAC Mifare Classic, DESFire, DESFire-EV1, Mifare Plus L1, L2, L3	AES, DES, 3DES, 3K3DES, ECC, MAC, RSA, HID iCLASS, iCLASS SE, Seos, Mifare Classic, DESFire, DESFire-EV1, Mifare Plus L1, L2, L3	AES, DES, 3DES, 3K3DES, MAC, HID iCLASS, LEGIC, Mifare Classic, DESFire, DESFire-EV1, Mifare Plus L1, L2, L3

## Notes:

- Individual country certifications vary by reader model. Contact your Kofax sales representative to confirm availability in the countries of interest.
- Enabled by default, readers require configuration in order to disable.
- Disabled by default, readers require configuration in order to enable.
- Transponder is supported by reader hardware but special firmware may be required to recover a unique ID or other data. Programmed samples of customer cards must be submitted for evaluation, contact your Kofax sales representative.
- Range varies with transponder type and is based on the use of standard identification and financial (ISO 7811) sized cards with readers mounted to a non-metallic surface. Use of alternate transponder formats (fobs, stickers, mechanical keys with smart heads, etc.) or mounting to a metallic surface results in a reduction of the published read range.
- By default readers return a Unique ID (UID) for each card or tag within a given transponder family. It is not possible for the reader to access other data stored in transponders designated 'UID only'.
- iCLASS Seos UIDs can only be returned from Seos cards special ordered with Static UIDs, as randomized UIDs are unsuitable for user identification and ignored by default.
- Access to encrypted transponder data requires customization of the reader with secured configuration files. For more information contact your Kofax sales representative.