

Nuance Ethernet Card Reader **product specs.**

	Multi-Card	Multi + iClass	Legic
Orderable Part Number	Contact your sales representative		
Environmental Compliance ¹	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 and connector box)	172 g	174 g	168 g
Package Includes	Reader, Velcro, Cable Ties, Cable Tie Mounts, 1 m Cat5e UTP Ethernet Cable, Insert, Power Adapter, Blades		
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	Piezo Beeper		
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, UDP only, default scope = "BALTECH")		
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
DC Input	5 VDC, 525 mA (max)		
Adapter Input	100 to 240 VAC, 47 to 63 Hz, 300 mA (max)		
Adapter Output	5 VDC, 1 A max		
Adapter Cable Length	1.5 m		
Operating Environment	0 to 40 °C, 10 to 90% RH (non condensing)		
Storage Environment	-25 to +60 °C, 10 to 90% RH (non condensing)		
Reliability	500,000 hours MTBF		

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Compatible Low Frequency (LF) Transponders	AWID Cardax (raw data only) ² Deister EM 4100/4102 EM 4205/4305 EM 4450/4550, 4469/4569 FDX-B ² G-Prox HID Indala ASP HID Indala ASP+ (raw data only) ² HID Proximity Hitag 1/2 (256, 2048) Hitag S Honeywell Nexwatch Quadrakey ioProx Kerri Miro Pyramid/Farpointe Data Q53 ² Radio Key/SecuraKey Sokymat Unique T5567/T5557 ² Titan ² Zodiak ²	AWID Cardax (raw data only) ² Deister EM 4100/4102 EM 4205/4305 EM 4450/4550, 4469/4569 FDX-B ² G-Prox HID Indala ASP HID Indala ASP+ (raw data only) ² HID Proximity Hitag 1/2 (256, 2048) Hitag S Honeywell Nexwatch Quadrakey ioProx Kerri Miro Pyramid/Farpointe Data Q53 ² Radio Key/SecuraKey Sokymat Unique T5567/T5557 ² Titan ² Zodiak ²	n/a
LF Read Range ³	10 to 30 mm	10 to 30 mm	
Compatible High Frequency (HF) Transponders	HID iClass (UID only) ⁴ Infineon my-d proximity ISO14443 A/B general, including: • SRx512 • NXP SmartMX, ProX • Paypass • Cepas • Calypso • NFC Forum Tag 1-4 ISO15693 general, including: • NXP iCode • EM 4033, 4035 • Tag-it ISO • Infineon my-d vicinity LEGIC Advant (UID only) ⁴ Mifare Classic (1K, 4K, Mini) Mifare DESfire, -EV1 (2K, 4K, 8K) Mifare Plus (-S, -X, L1, L2, L3) Mifare Ultralight, -C Pico Pass Sony FeliCa	HID iClass (Full decoding) Infineon my-d proximity ⁵ ISO14443 A/B general ⁵ , including: • SRx512 • NXP SmartMX, ProX • Paypass • Cepas • Calypso • NFC Forum Tag 1-4 ISO15693 general ⁵ , including: • NXP iCode • EM 4033, 4035 • Tag-it ISO • Infineon my-d vicinity LEGIC Advant (UID only) ^{4,5} Mifare Classic (1K, 4K, Mini) ⁵ Mifare DESfire, -EV1 (2K, 4K, 8K) ⁵ Mifare Plus (-S, -X, L1, L2, L3) ⁵ Mifare Ultralight, -C ⁵ Pico Pass ⁵ Sony FeliCa ⁵	LEGIC Prime LEGIC Advant / ISO14443 LEGIC Advant / ISO15693 ISO 14443 A/B general (UID only) ⁴ ISO 15693 general (UID only) ⁴ Sony FeliCa (UID/IDm only) ⁴
HF Read Range ³	15 to 85 mm	15 to 85 mm	35 to 100 mm
HF Encryption Support ⁶	Mifare Classic, DES, 3DES, 3K3DES, AES, MAC, DESFire, DESFire-EV1, Mifare Plus L1, L2, L3	HID iClass SE, Mifare Classic, DES, 3DES, 3K3DES, AES, MAC, DESFire, DESFire-EV1, Mifare Plus L1, L2, L3	LEGIC, AES, DES, 3DES

Footnotes:

- Individual country certification varies by card reader. Please contact your Nuance Sales representative for a full list.
- Transponder is supported by reader hardware but special firmware/configuration may be required to recover a unique ID or other data. Programmed samples of customer cards must be submitted for evaluation, contact EQRDR_Qual@nuance.com for assistance.
- Read distance varies with transponder type and is based on the use of standard identification/financial size (ISO/IEC 7810 ID-1 format) cards with readers mounted to a non-metallic surface. Use of alternate transponder formats (fobs, stickers, mechanical keys with smart heads, etc.) or mounting of reader to a metallic surface results in a reduction of the published read distances.
- 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'.
- Disabled by default, readers require configuration in order to enable support.
- Access to encrypted transponder data requires customization of the reader via creation and download of secure configuration files. For more information contact your Nuance Sales representative.