



## SCM3712

### Contactless Reader Board Family

- **COMPACT**  
Sized for space-constrained equipment
- **COMPLIANT**  
ISO14443 A/B, FeliCa, NFC reader/writer mode, and peer-to-peer mode
- **FAST**  
Optimized transaction times for highest throughput
- **SIMPLE INTEGRATION**  
PC/SC standards-compliant driver for Windows®, Linux, and Mac
- **FLEXIBLE**  
Configuration options for various use applications

Identiv's SCM3712 Contactless Reader Board Family is suitable for event ticketing, retail loyalty programs, vending, public transport, and mobile payment applications. The combination of contactless reader and near field communication (NFC) peer-to-peer capability upgrades radio frequency identification (RFID) use applications to a whole variety of fully NFC-featured commercial solutions.

With SCM3712, direct and reliable two-way communication between two devices can be established, allowing a mobile phone to be used as a smart credential when presented to an SCM3712-powered NFC terminal. SCM3712 can enable applications such as loyalty couponing or point redemption. For a maximum end-user acceptance, the SCM3712 family supports the features of a wide range of contactless cards, tokens, key fobs, and NFC devices, like mobile phone stickers, NFC labels, or NFC-powered smart phones.

The SCM3712 EA version enables on-the-fly tag personalization through issuing devices like cards, labels, or smart poster printers. The SCM3712 family also works with Identiv's widely installed contactless SCL reader and token family, including the SCL011 and SCL3711 devices. Solution developers and system integrators easily can reuse and expand upon existing integrations.

With an available NFC solutions development kit containing the SCM3712 NFC reader board, application developers and system integrators can accelerate time-to-market for NFC technology-based readers and terminals that support device-to-tag and peer-to-peer applications.

PARAMETER	SCM3712	SCM3712 NFC	SCM3712 EA
Host Interface	USB 2.0 (USB 1.1/3.0 compliant), 150 cm (59 in) USB cable, Type A connector		
Communication Speed	12 Mbps (USB 2.0 full speed) switch		
OS Support	Microsoft Windows® 7, 8, 10 (32 and 64 bit), Microsoft Windows® CE 5.0/6.0, Mac OS, Linux		
Communication Driver	PC/SC 2.01.14		
RF Carrier Frequency	13.56 MHz ± 50 ppm 2/4/8k, FeliCa™, Calypso, CD21, NFC Forum Tag Types 1/2/3/4, and Lascom Cards		
Supported Standards	ISO 14443 A/B, NFC IP-1, ISO 18092, ECMA 340 size		
Supported RF Transmission Speeds	106/212/424 kbps		
Supported Tag ICs	<ul style="list-style-type: none"> <li>NFC forum tag type 1 through Identiv-specific APDU</li> <li>NFC forum tag type 2 through PC/SC-defined APDUs</li> <li>NFC forum tag type 3 through Identiv-specific APDU</li> <li>NFC forum tag type 4 through PC/SC APDUs</li> <li>ISO/IEC 14443-4 PICC type A and type B</li> <li>MIFARE (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k)</li> <li>Non-Secure FeliCa™</li> </ul>		
Supported NFC Modes	Reader Writer Mode	<ul style="list-style-type: none"> <li>Reader Writer Mode</li> <li>Peer to Peer Passive</li> </ul>	
Status Indicator	Green LED		
Power Supply	Bus-powered USB		
Power Consumption	<200mA in 260µA power down mode	<100mA in 260µA power down mode	
Reading Distance	< 50 mm (1.97 in), depending on tag type and size	< 45 mm (1.77 in), depending on tag type and size	< 65 mm ( 2.56 in), depending on tag type and size
Reader PCB Size	60 x 40.3 x 10 ± 0.13 mm (2.36 x 1.59 x 0.39 ± 0.005 in)		
Antenna PCB Size	Integrated		92.7 x 49.5 x 4 mm (3.65 x 1.95 x 0.16 in)
Antenna Cable Length	N/A		200 mm (7.87 in)
Antenna Connector	N/A		ULTRA MINI COAX
Weight	5.5 g ± 5% (0.012 lb ± 5%)		19.5 g ± 5% (0.043 lb ± 5%)
Operating Temperature Range	0° to 60°C (32° to 140°F)		
Storage Temperature Range	-20° to 60°C (-4° to 140°F)		
Operating Humidity Range	Up to 95% RH non-condensing		
Firmware Version	2.7		
Certifications and Compliances	WHQL, RoHs compliant		
Product Part Number	905254	905312	905260

Identiv (NASDAQ: INVE) is a global provider of physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything. Identiv has offices worldwide. Addresses and phone numbers are listed at [identiv.com/contact](http://identiv.com/contact). For more information, visit [identiv.com](http://identiv.com) or email [sales@identiv.com](mailto:sales@identiv.com).

Technical data is subject to change without notice.