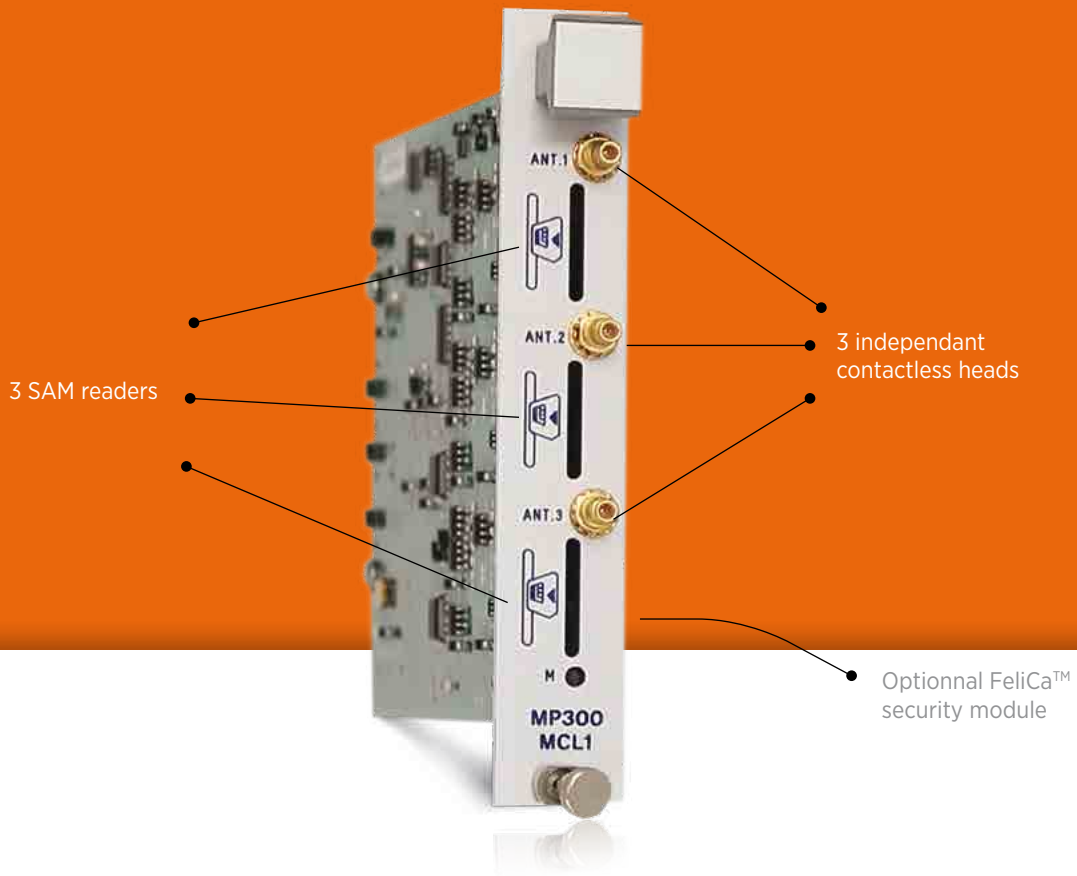


MP300 MCL1

A MULTIPROTOCOL CONTACTLESS COUPLER



SUPPORTED PROTOCOLS:

- ▶ ISO 14443 A/B
- ▶ Innovatron™
- ▶ ISO 15693
- ▶ FeliCa™ (incl. Full encryption)
- ▶ Mifare™

APPLICATION FIELDS:

- ▶ Personalization
- ▶ Pre-personalization
- ▶ OS loading

Business areas



Telecom



Banking



E-health



M2M



E-Passport



E-ID
(driver licences, ID cards...)

KEY POINTS

- ▶ Access to 3 contactless devices simultaneously
- ▶ Compatible with ISO/IEC 14443-3 and -4, ISO/IEC 15693, Mifare™, FeliCa™, Innovatron™ specifications
- ▶ Full coverage of the production cycle of a FeliCa™ smartcard, from initial physical tests, until finished personalised product
- ▶ Full management of the T=CL protocol
- ▶ Supports the highest data rates (up to 848 kbps)
- ▶ Many physical parameters adjustable (field strength, modulation index, rise and fall time of the modulation, ...)
- ▶ Presence of 3 ISO/IEC 7816-3 SIM card readers, for SAM (security access module) usage

SUPPORTED PROTOCOLS

▶ ISO/IEC 14443-3 (proximity cards) (Type A/B)	
Supported data rates	106, 212, 424, 848 kbps Asymmetrical data rates supported
▶ B' (Innovatron™)	
▶ ISO/IEC 15693 (vicinity cards)	
Supported communication speeds	Low & high data rates, 1 out of 4 & 1 out of 256
▶ ISO 18000-3 Mode 1	
▶ Mifare™	
Types supported	Classic, Light, Ultra Light, Ultra Light C, ...
▶ FELICA™ (optional through a hardware add-on)	
Available data rates	212 and 424 kbps
Scope of the FeliCa™ hardware option	Covers Test 1, Test 2, Issuance 0, Issuance 1, Issuance 2 (manufacturing, formatting, personalisation)
▶ Raw mode : implementation of custom protocols and support of out of standard chips	

PROGRAMMABLE PARAMETERS

PHYSICAL PARAMETERS
Field strength, modulation index, rise&fall times
LOGICAL PARAMETERS
Type A pause, FWT, type B framing, communication speed