



iButton DS1971 and DS1990A

The **DS1971 iButton** is a 256-bit EEPROM (Electrically Erasable Programmable Read Only Memory) iButton, that is used to identify and store the relevant information for driver registration. This iButton uses the 1-Wire protocol to transfer the information through the iButton reader. The lasered 64-bit registration number provides a guaranteed unique identity which allows absolute traceability. This iButton comes in the following variations: **DS1971-F3+** and **DS1971-F5+**.

The **DS1990A iButton** is an iButton, that is used to identify and store the relevant information for driver registration. This iButton uses the 1-Wire protocol to transfer the information through the iButton reader. The lasered 64-bit serial number provides a guaranteed unique identity which allows absolute traceability. This iButton comes in the following variations: **DS1990-F3+** and **DS1990-F5+**.

Applications

- Safety and Security
- Access control
- Local regulations

Key Features

- Driver and passenger identification
- Vehicle immobilization

Compatibility

✓ HCV5	✓ LCV5	✓ Pro5	⊘ Trace5
✓ FM-Tco4 HCV	✓ FM-Tco4 LCV	✓ FM-Pro4	✓ FM-Eco4 RS T
✓ FM-Eco4	✓ FM-Eco4 S	✓ FM-Eco4 T	⊘ FM-Plug4

Detailed specifications

DS1971-F3+ DS1990A-F3+	DS1971-F5+ DS1990A-F5+
-----------------------------------	-----------------------------------

iButton specifications

Temperature range	-40 to +50 °C
Read/write voltage	2.8 – 6 V DC
Digital signal speed	16.3 kbps
Protocol	1-Wire
Register	64 bit

Physical properties

Dimensions	Width: 3.1 mm	Width: 5.9 mm
	Diameter: 16.25 mm	Diameter: 16.25 mm
Material	Stainless steel	

Ordering information

TM1990A	iButton DS1990A with plastic holder
----------------	-------------------------------------

Contact information:

Perkūnkiemio g. 6
 LT-12130 Vilnius, Lithuania
 Phone: +370 520 451 88
 Web: www.ruptela.com

Datasheet v1.0
 2021-01-05