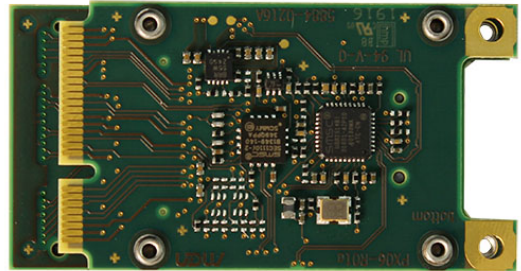


PX6

Security Smart Card Reader PCI Express Mini Card

- » *Smart Card Interface for secure authentication to e.g. VPN server*
- » *Perfect extension for PCI Express Mini Cards with WLAN or Mobile (LTE) modem functionality*
- » *PCI Express Mini Card form factor*
- » *Compliant to ISO7816 Smart Card Specification*
- » *Compatible with all PCI Express Mini Cards*
- » *-40 to +85°C screened*



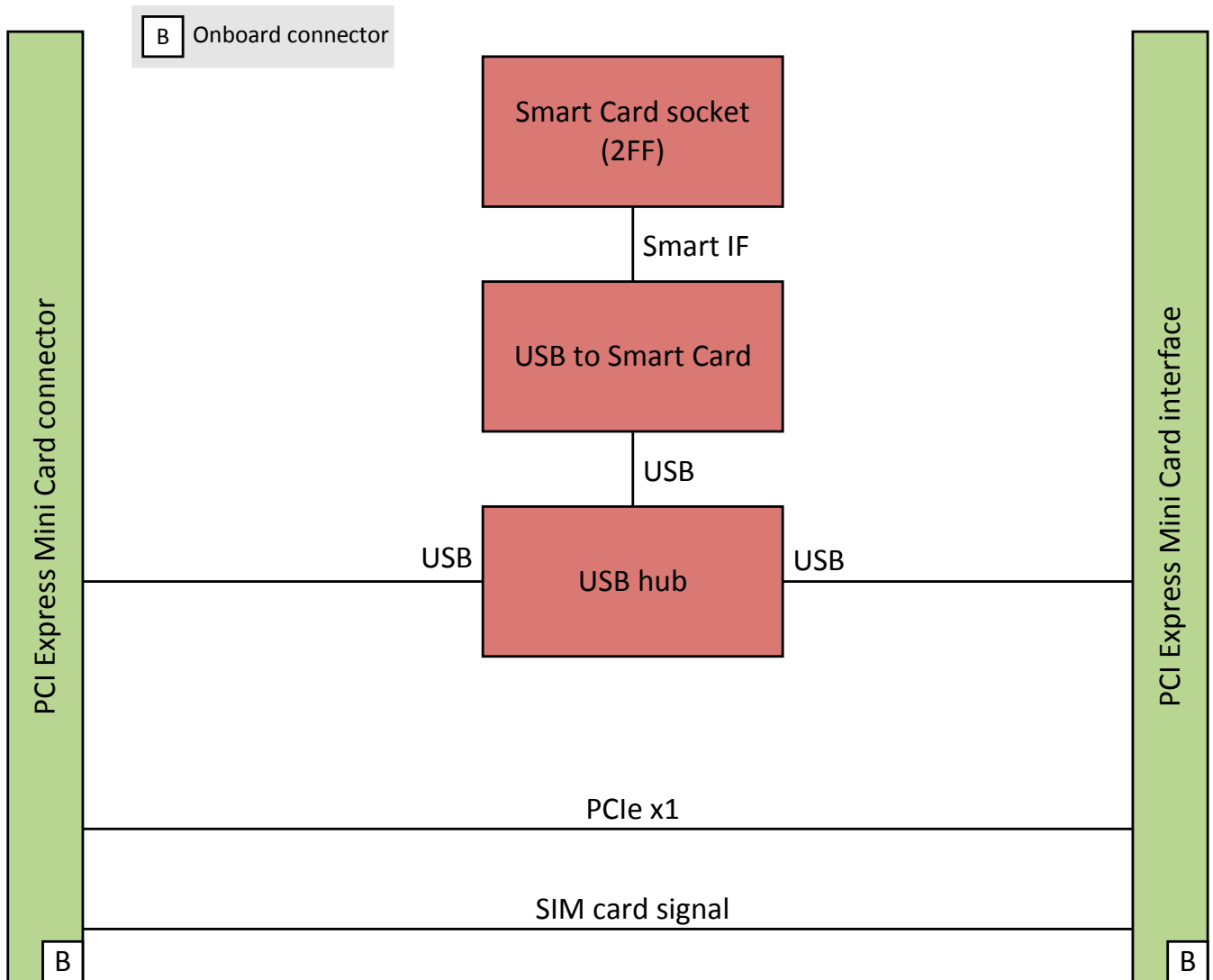
Standard PCI Express Mini Card

The PX6 is a PCI Express Mini Card designed for embedded devices which require safe communication (encryption/authentication). It is an extension module which can be used with a PCI Express Mini Card with WLAN or Mobile (LTE) modem functionality.

With the PX6, for example, any device can be easily integrated in a cloud. This may be required for maintenance, service or diagnostic purposes. In combination with a customer Smart Card the PX6 provides secure authentication on the remote cloud server.

Secure Communication

The secure communication is realized with the mechanisms provided by VPN connection. Therefore, the Smart Card stores the certificate plus the private key used for authentication. In addition, the Smart Card is secured with a pin before getting access to the private key.



Smart Card Socket

- 2FF Smart Card interface according to ISO7816

Host Interface

- PCI Express Mini Card connector
 - USB 2.0
 - PCIe x1

PCI Express Mini Card Slot

- For client, e.g. LTE or WLAN modem
- USB 2.0
- PCIe x1

Electrical Specifications

- Supply voltage:
 - +1.5V and +3.3V
- Power consumption
 - 0.5 W max.

Mechanical Specifications

- Dimensions: 30 mm x 58 mm x 5 mm (PCI Express Full-Mini Card)
- Weight: tbd g

Environmental Specifications

- Temperature range (operation):
 - -40..+85°C (screened)
 - Airflow: min. 1 m/s
- Temperature range (storage): -40..+85°C
- Relative humidity: EN 60068-2-30, EN 50155
- Altitude: -300 m to +3000 m
- Shock: EN 50155 (12.2.11) / EN 61373 category 1 class B body mounted
- Vibration: EN 50155 (12.2.11) / EN 61373 category 1 class B body mounted
- Conformal coating; optional

MTBF

- 500 000 h @ 40°C according to IEC/TR 62380 (RDF 2000)

Safety

- PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

EMC

- EN 55022 (radio disturbance)
- IEC 61000-4-3 (electromagnetic field immunity)
- IEC 61000-4-4 (burst)
- IEC 61000-4-5 (surge)
- IEC 61000-4-6 (conducted disturbances)

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Up-to-date information, documentation and ordering information:

www.men.de/products/px6/

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