



Pushing Performance

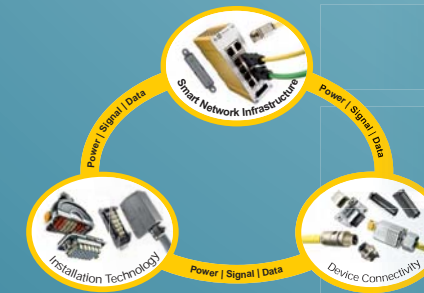
People | Power | Partnership

HARTING for Communication

Tailored Products for Communication

The HARTING Technology Group is skilled in the fields of electrical, electronic and optical connection, transmission and networking, as well as in manufacturing, mechatronics and software creation. The Group uses these skills to develop customized solutions and products such as connectors for energy and data transmission. For the Communication Network Infrastructure HARTING offers a broad range of tailored products.

HARTING “Connectivity & Networks” solutions are subdivided into three segments:



Device Connectivity

Connectivity (*har-*) for devices that form part of the infrastructure.

Installation Technology

Industrial connectors and installation solutions (Han®) for industrial infrastructure.

Smart Network Infrastructure

Network and RFID components (Ha-VIS) for the installation of smart infrastructure solutions.

Connectors for Harsh Environments

With more than 60 years experience in development and production of robust connectivity solutions for the industrial market, HARTING customers can benefit from a huge product variety. Today we can offer smallest IP-X rated connectors for data as well as largest connectors for high power transmission. To meet exactly the customers' requirements HARTING can offer an outstanding range of tailored solutions.

Cell Site Material

Together with the industry a dedicated test program was defined to qualify the products for the communication specific outdoor environment. Installers and system integrators can rely on all kind of cable assemblies manufactured on the worldwide respected HARTING quality standards. With our modular connector range HARTING can offer ideal cell site material to concentrate power, data and signal lines into one single cable. This enables installers to connect complete network structures to reduce installation time to a minimum.



HARTING for Communication

Cell Site Installation Material

Han-Modular®

- Power: up to 95 mm²
- Data: up to 48 SC / 72 LC connectors*
- Signal: large variety
- Hybrid: all in one

*In preparation.

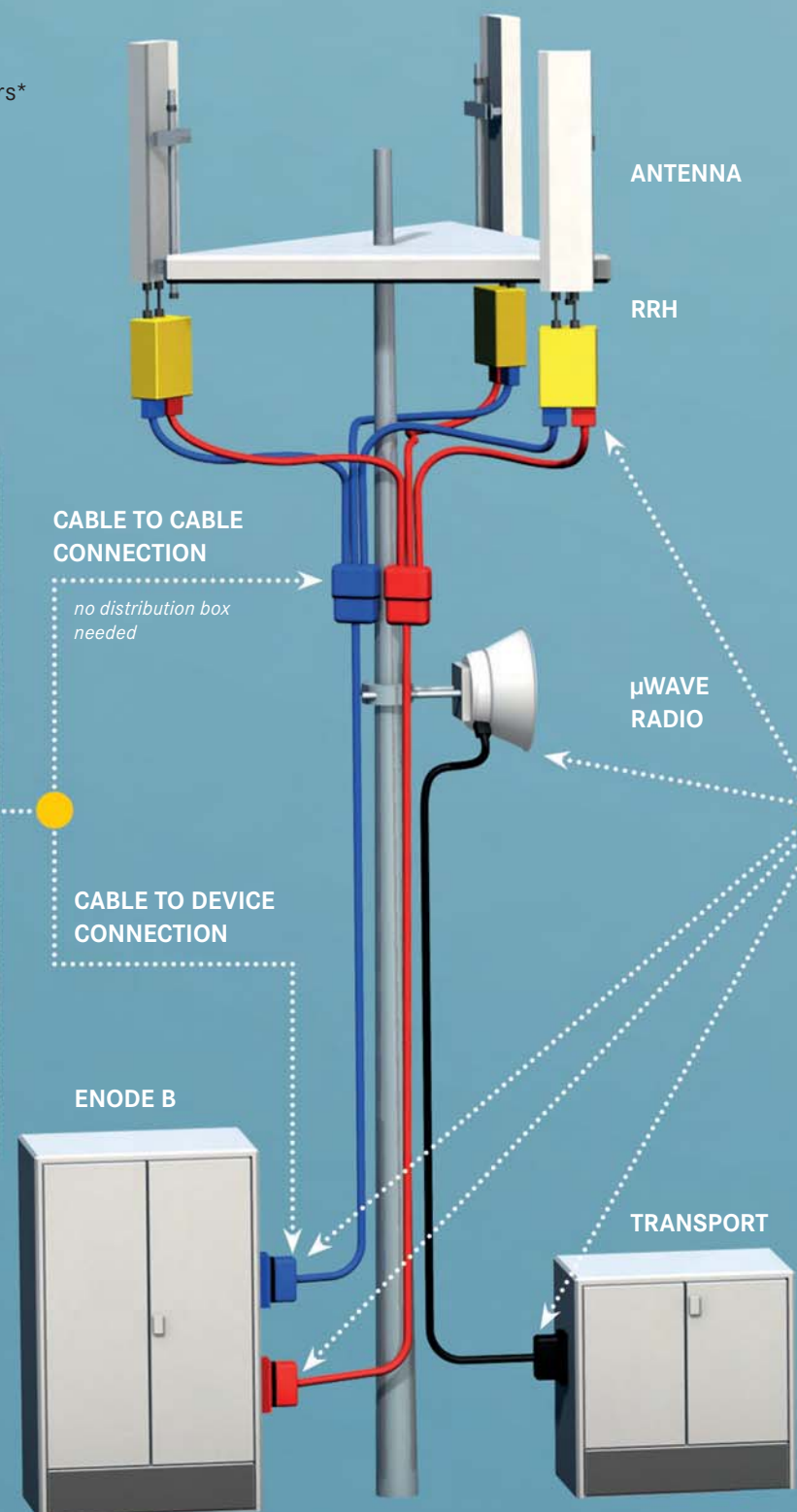
Power



Fibre Optic



Hybrid (Power/Data/Signal)



HARTING PushPull V4

Small size: 20.15 x 20.15 mm²

LC duplex



Singlemode or multimode fibre

RJ45



4 or 8-pole IDC-Technology

HARTING PushPull V14

Medium size: 26.2 x 22 mm²

Power up to 2.5 mm²



Quick Lock Technology

Signal up to 10 contacts



Crimping Technology

Han® 3 A SFP

Direct pluggable onto:

LC modul



RJ45 modul



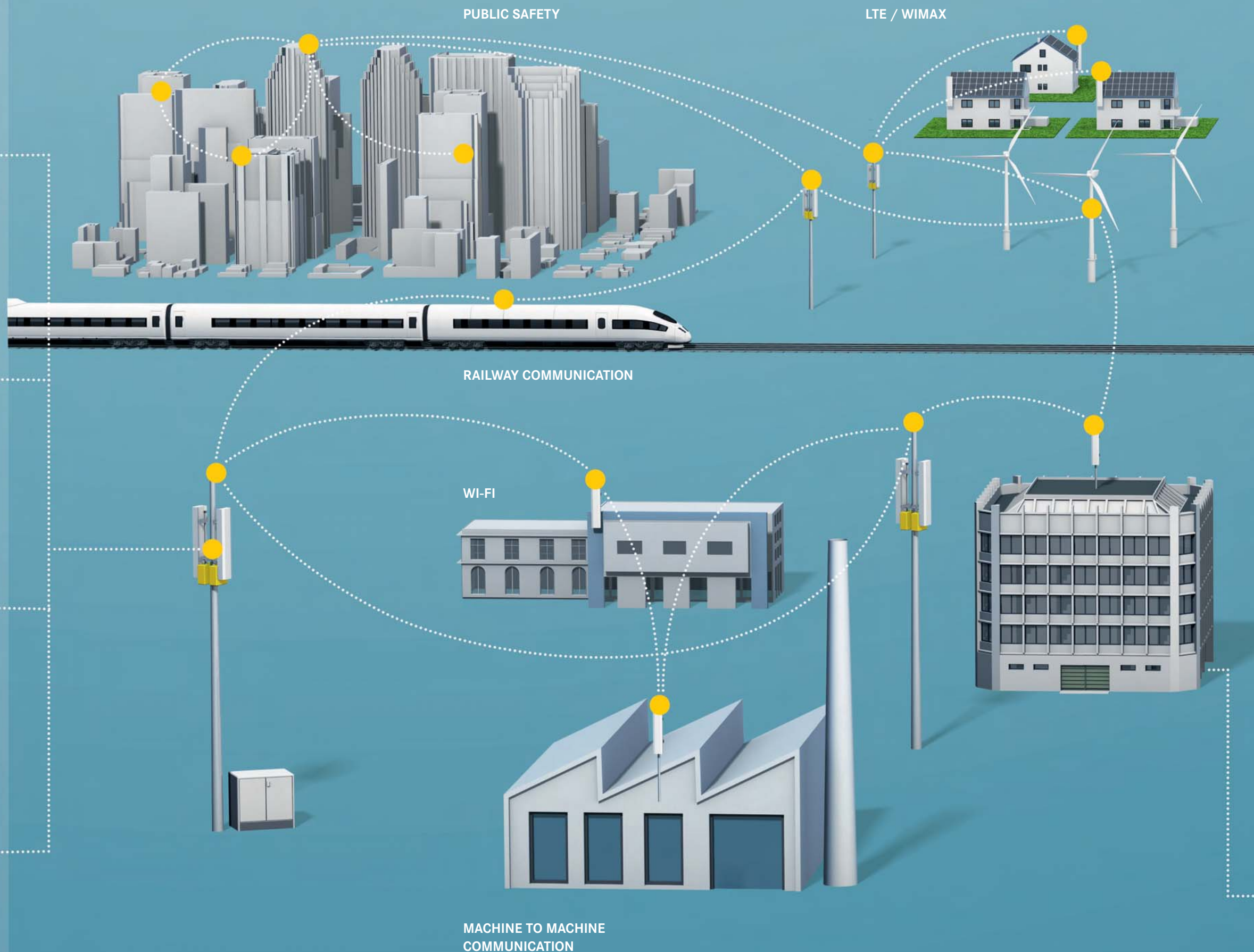
Han® 3 A Hybrid (Power + Data)

3 power pins / 2.5 mm²

RJ45/Power



LC duplex/Power



Central office

- High speed
- Advanced reliability
- Outstanding robustness

AdvancedMC™ connectors for ATCA® type B+ and µTCA™



- Increased reliability
- con:card+ quality seal

Plug connector for ATCA® / µTCA™



- Replaces the PCB card edge gold pads
- Reliable two piece connector solution

Power connectors for ATCA® / µTCA™



- Combined signal and power connector up to 16A

har-flex®: the PCB connector family for board-to-board and board-to-cable applications



- 1.27 mm pitch
- 6 - 100 contacts
- Straight, angled and cable connections

Micro Card Edge connectors



- 0.8 mm pitch
- 40 or 100 contacts
- Up to 14 Gbps

High speed backplanes



- Engineering
- Manufacturing
- Testing

High speed cable assemblies (SFP+ / QSFP+)



- Up to 40 Gbps

Strong in Standardization

It is part of HARTING's philosophy to actively support standardization groups all across the industry. Latest platform specifications for communication architectures based on AdvancedTCA® or MicroTCA™ under the umbrella of the PICMG®, are mentioned as an example.

To offer highest reliability under the newly defined connectivity conditions, HARTING has secured these challenges together with the self-defined **con:card+** quality seal. Not surprisingly HARTING could qualify very early against the highest shock and vibration level according to the PICMG® Rugged MicroTCA™ specifications.

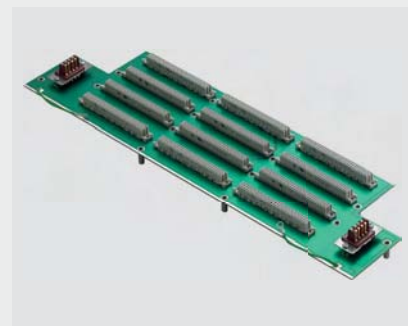


Signal Integrity Competence

With HARTING's accredited lab and long time experience in Signal Integrity simulation and testing, HARTING has become a development partner for many leading communication equipment manufacturers. Consequently HARTING can offer high speed connectors, cable assemblies as well as high speed backplanes which we produce under the same footprint and quality level in the US, Europe and Asia.

Advanced System Solutions

According to the requirements, HARTING provides the complete engineering, testing and manufacturing service of customized high speed connectivity. HARTING conducts comprehensive mechanical testing and electronic performance verification according to widely recognized standards and customer specifications.



HARTING Technology Group

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