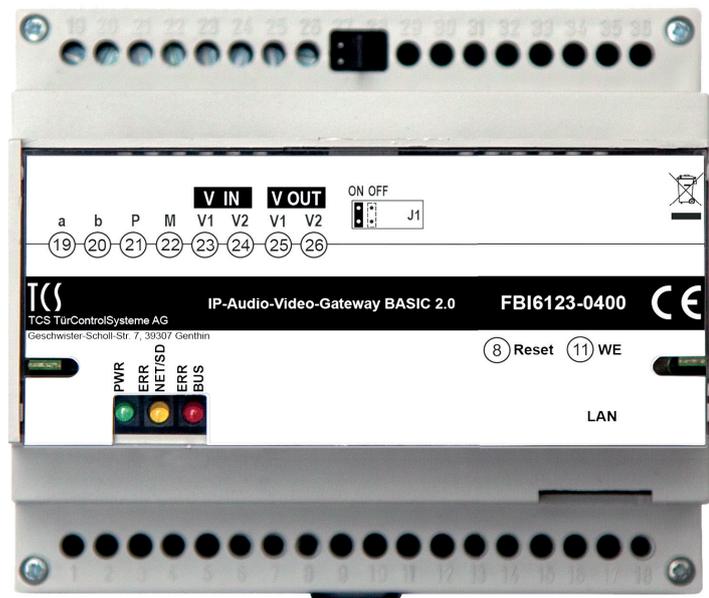


INTERFACES FOR IP SYSTEMS

EXTENDED FUNCTION

TCS OVER IP



IP Gateway Basic 2.0

TCS:
BUS

TCS:
IP

IP Gateway Advanced 2.0



IP Gateway DATA



The IP gateways impress with their comprehensive compatibility and ease of integration into the IP network.

No additional construction work is required to integrate existing TCS:BUS systems into the IP network.

Following installation in the control cabinet, the IP gateways are connected to the TCS:BUS and the network.

IP GATEWAY	H x W x D in mm	Article no.
Basic 2.0	6 SU for DIN-rail	FBI6123-0400
Advanced 2.0	6 SU for DIN-rail	FBI6124-0400
IP Gateway DATA	2 SU for DIN-rail	FBI6131-0400

INTERFACES FOR IP SYSTEMS



IP GATEWAY BASIC 2.0 FBI6123-0400

The IP Gateway Basic 2.0 is a bidirectional interface for connecting TCS:-BUS systems to SIP capable end devices. It replaces the FBI6119.

- > Connects up to 5 TCS:BUS devices with the IP network
- > Audio and video coupling in both directions
- > Integrated SIP registry for up to 15 users
- > Up to 10 freely configurable control functions may be triggered via the web interface
- > Integration of up to 5 IP cameras or IP video front-door stations into the TCS:BUS
- > Integrated web interface with access levels for users and administrators
- > Sending of TCS:BUS short messages to compatible video indoor stations IP Gateway ADVANCED 2.0 FBI6124-0400

TECHNICAL DATA

- > Voltage supply: TCS:BUS 6-wire, max. 250 mA
- > Interfaces: LAN (RJ45, IEEE802.3u 10/100BASE-Tx/s, Auto MDIX), screw terminals
- > Audio codecs: G.711a/μ, G.722, GSM6.1, iLBC, Speex
- > Audio transmission: half duplex
- > Video codecs: MJPEG, JPEG, h.264
- > Video transmission: HTTP, RTP
- > Video resolution analogue-digital: 320x240, 640x480
- > Video resolution digital-analogue: 176x144, 320x240, 352x288, 640x480, 704x480, 720x480, 768x432, 768x576, 800x448, 800x600, 1024x640, 1024x768, 1280x720, 1280x800, 1280x1024
- > Supported protocols: IPv4, TCP, UDP, DHCP, HTTP, SIP 2.0 (UDP / TCP), RTP, SNTP, Syslog, ICMP, ARP
- > Mounting type: DIN mounting rail (DIN-rail) 6 SU
- > Dimensions H x W x D mm: 90x105x70
- > Operating temperature: 0°C to 40°C



IP GATEWAY ADVANCED 2.0 FBI6124-0400

The IP Gateway Advanced 2.0 is a bidirectional interface for connecting TCS:BUS systems to SIP capable end devices. It replaces the FBI6121 and FBI6124.

- > Connects up to 90 TCS:BUS devices with the IP network
- > Audio and video coupling in both directions
- > 340 users, of which 90 are TCS:BUS devices
- > Up to 200 freely configurable control functions may be triggered via the web interface
- > Integration of up to 64 IP cameras or IP video front-door stations into the TCS:BUS
- > Integrated web interface with access levels for users and administrators
- > Sending of TCS:BUS short messages to compatible video indoor stations

TECHNICAL DATA

- > Voltage supply: TCS:BUS 6-wire, max. 250 mA
- > Interfaces: LAN (RJ45, IEEE802.3u 10/100BASE-Tx/s, Auto MDIX), screw terminals
- > Audio codecs: G.711a/μ, G.722, GSM6.1, iLBC, Speex
- > Audio transmission: half duplex
- > Video codecs: MJPEG, JPEG, h.264
- > Video transmission: HTTP, RTP
- > Video resolution analogue-digital: 320x240, 640x480
- > Video resolution digital-analogue: 176x144, 320x240, 352x288, 640x480, 704x480, 720x480, 768x432, 768x576, 800x448, 800x600, 1024x640, 1024x768, 1280x720, 1280x800, 1280x1024
- > Supported protocols: IPv4, TCP, UDP, DHCP, HTTP, SIP 2.0 (UDP / TCP), RTP, SNTP, Syslog, ICMP, ARP
- > Mounting type: DIN mounting rail (DIN-rail) 6 SU
- > Dimensions H x W x D mm: 90x105x70
- > Operating temperature: 0°C to 40°C

	FBI6119	FBI6123	FBI6121	FBI6122	FBI6124
Max. TCS:BUS power supply devices	10	5	90	90	90
Internal SIP registry	10	10(+5)	250(+90)	250(+90)	250(+90)
IP camera support	–	5	64	–	64
Control functions	200	10	200	200	200



IP GATEWAY DATA / MESSAGE RECEIVER

FBI6131-0400

IP Gateway DATA. For connecting TCS:BUS and IP network.
Conversion from e.g. unencrypted e-mails or RSS feed to TCS short messages; can be combined with TCS:BUS products that support the TCS:Message function.

PRODUCT FEATURES

- > Interface for connecting TCS:BUS and IP network
- > Conversion from e-mails and RSS feed messages to TCS short messages
- > Can be combined with TCS:BUS products that support the TCS:Message function
- > Manual sending of TCS short messages to individual devices or device groups
- > Number of characters of short message: max. 95
- > LED-display
- > Type of mounting: DIN-rail mounting
- > Type of housing: DIN-rail case (2 SU)
- > Network configuration: manual / DHCP
- > Configuration: via password-protected web interface

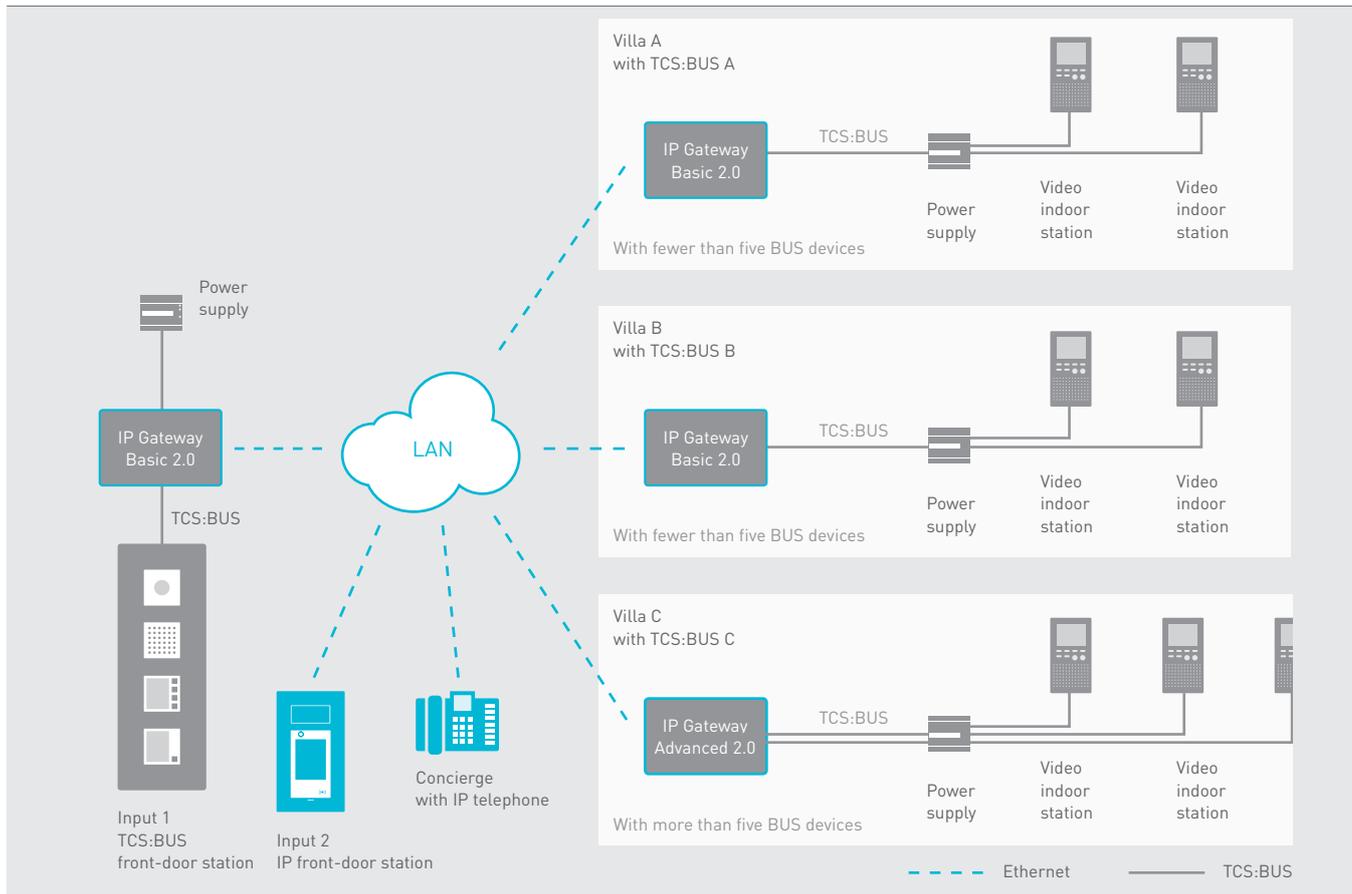
TECHNICAL DATA

- > Technology: TCS:BUS
- > Number of wires: 3-wire required
- > Protection category: IP20
- > Supply voltage: 26 V
- > Input current: max. 20 mA
- > DIN-rail case H x W x D mm: 90 x 35 x 70
- > Acceptable ambient temperature: -5 to +40°C

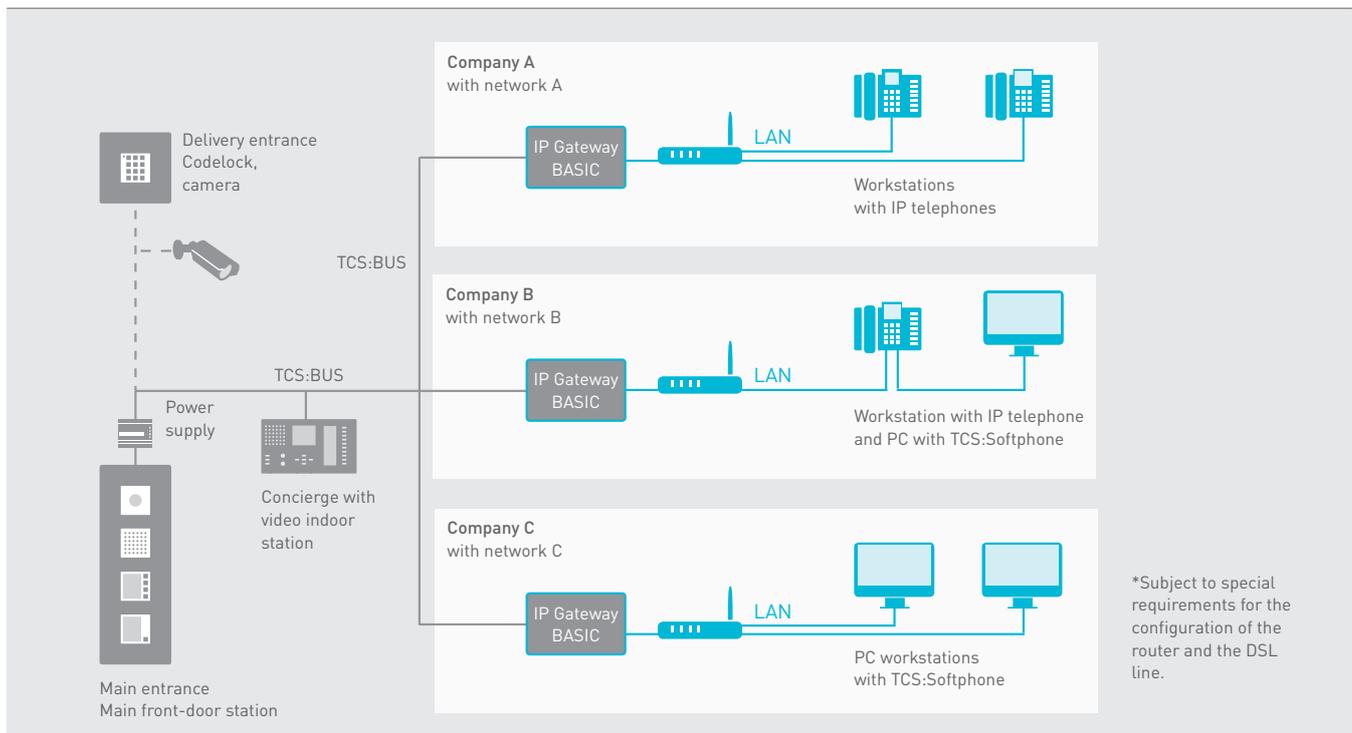


<http://www.tcsag.de/en/products>

EXAMPLE OF A SYSTEM DESIGN



IP GATEWAY BASIC IN INDUSTRIAL BUILDINGS



CONTACTS

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