

SH ARC-GATEWAY

ARCNET / Ethernet TCP/IP Gateway
 ARCNET / ARCNET Bridge



Scope of application

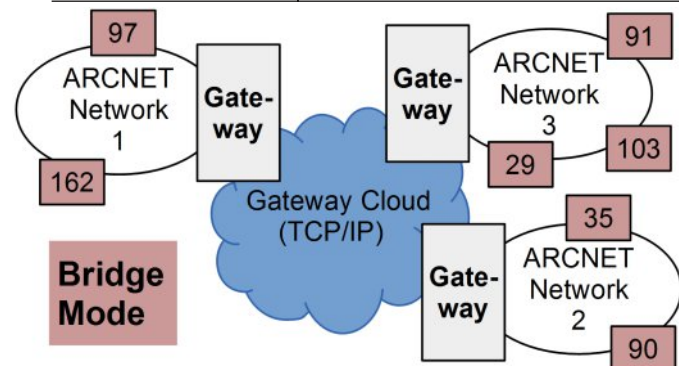
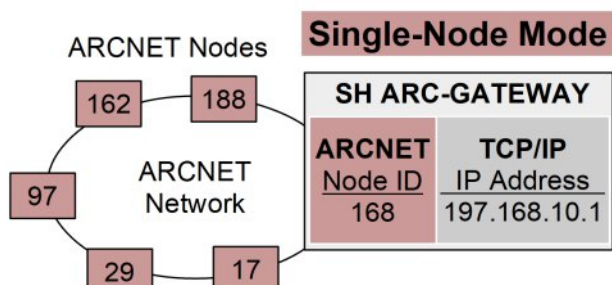
- Connectivity between ARCNET and Ethernet TCP/IP
- Transparent connectivity between distributed ARCNET networks by using Ethernet TCP/IP
- Access to ARCNET via coaxial, twisted pair or fiber optic cable for bit rates from 19 kbit/s up to 10 Mbit/s
- Supports ARCNET network with up to 254 nodes

Design & Functionality

- Gateway functionality between ARCNET nodes and Ethernet TCP/IP clients
- Bridge functionality: interconnects two or more distributed ARCNET networks via Ethernet TCP/IP
- Supports both data polling and subscription mode
- “Receive-all” (promiscuous) mode
- Web interface for configuration and firmware update
- Customer-specific features upon request

Specification

Compatibility	ANSI/ATA 878.1, CE for industrial environment
ARCNET controller	SH IP-CORE-ARCCTRL
ARCNET connectivity	coaxial, twisted pair or fiber optic cable for bit rates from 19 kbit/s up to 10 Mbit/s
Ethernet connectivity	10/100 MBit via RJ45
Power supply	DC 12–36 V, optional 100–240
Power consumption	max. 10 W
Temperature range	0°C to + 55°C (operation) – 20°C to + 85°C (storage)
Dimensions (w/h/d) in mm	105/60/130 (without connector)
Weight	600 g
Mount	Desktop device or top-hat rail (IEC 60715)





Order Information

Product name	Bit rate	Signal	Socket	Cable type
SH ARC-GATEWAY-K	2.5 Mbit/s	sine dipulse	BNC	coaxial cable RG-62
SH ARC-GATEWAY-LWLSM	19.5 kbit/s – 2.5 Mbit/s	optical	ST/BFOC	single-mode fibers
SH ARC-GATEWAY-LWLSMA	19.5 kbit/s – 2.5 Mbit/s	optical	FSMA	multi-mode fibers
SH ARC-GATEWAY-LWLST	19.5 kbit/s – 2.5 Mbit/s	optical	ST/BFOC	multi-mode fibers
SH ARC-GATEWAY-LWLTOS	19.5 kbit/s – 2.5 Mbit/s	optical	TODX296/TOSLINK	multi-mode fibers
SH ARC-GATEWAY-LWLVL	19.5 kbit/s – 2.5 Mbit/s	optical	Versatile Link	plastic optical fibers
SH ARC-GATEWAY-R	19.5 kbit/s – 10 Mbit/s	RS-485/EIA-485	DE-9/D-sub	twisted pair cable
SH ARC-GATEWAY-RS485-STB	19.5 kbit/s – 10 Mbit/s	RS-485/EIA-485	Screw terminal block	twisted pair cable
SH ARC-GATEWAY-RS485AC-BNC	2.5 – 10 Mbit/s	RS485AC	BNC	coaxial cable RG-62
SH ARC-GATEWAY-RS485AC-RJ45	2.5 – 10 Mbit/s	RS485AC	RJ45	twisted pair cable
SH ARC-GATEWAY-TWP	2.5 Mbit/s	sine dipulse	RJ45	twisted pair cable

Optional 100–240 VAC power supply.