

MEDICAL DEVICES

Link+ Agilia Data sheet



56033_data_sheet_link_plus_agilia_eng

DATA COMMUNICATION CONNECTOR

1 INFRARED (IR) CONNECTOR SPECIFICATIONS:

FUNCTION	Data communication with the Agilia IV infusion pumps
MODE	Wireless optical communication using infrared light
COMPATIBILITY	Asynchronous Serial Infrared (SIR) physical layer irPHY 1.0, baseband no carrier
TRANSPORT PROTOCOL	Proprietary
SPEED	115.2 kb/s max.
WAVELENGTH	880 nm to 900 nm infrared band with 45 nm spectral bandwidth
EYES SAFETY	< 500 mW/sr maximum intensity for class 1 of IEC/EN 60625-1 - January 2001

2 USB PC CONNECTOR SPECIFICATIONS:

FUNCTION	External PC connection for maintenance and configuration
CONNECTOR	External standard Mini B slave connector
INDICATOR	Blue LED
OUTPUT POWER	No power output available and remote host power not used
COMPATIBILITY	USB 2.0 OTG Slave role only
INSULATION	Not insulated from USB external device, but provides double insulation (4 kV) from mains
SPEED	480 Mb/s max. (theoretical)

3 RS232 SERIAL COMMUNICATION CONNECTOR SPECIFICATIONS:

FUNCTION	System management, PC, PDMS, or maintenance connection
CONNECTOR	ADAM TECH shielded circular female connector, 3 pins
INDICATOR	Blue LED
COMPATIBILITY	RS232 levels, serial asynchronous, half duplex
INSULATION	1.5 kV insulation from external system + provides double insulation (4 kV) from mains
SPEED	115.2 kb/s max. (theoretical)

4 WIRED NETWORK CONNECTOR SPECIFICATIONS:

FUNCTION	System management, PC, or maintenance connection
CONNECTOR	RJ45 8 pins
INDICATOR	Blue LED
COMPATIBILITY	IEEE 802.3 Ethernet 10baseT or fast Ethernet 100baseT, twisted pairs, Full duplex
INSULATION	1.5 kV insulation from external system + provides double insulation (4 kV) from mains
SPEED	Automatic speed selection 10 Mb/s or 100 Mb/s (theoretical)

5 NURSE CALL CONNECTOR SPECIFICATIONS:

FUNCTION	External alarm NURSE CALL signaling
CONNECTOR	Stereo JACK 3.5 mm connector
INDICATOR	RED LED
COMPATIBILITY	Relay, dry contacts stand-off / work contact - positive / negative polarity option
CONTACTS	DC 24 V / 2 A max or AC 48 V / 1 A max
INSULATION	1.5 kV insulation from external system + provides double insulation (4 kV) from mains

CENTRAL PROCESSING UNIT (CPU) SPECIFICATIONS

FUNCTION	Data processing and communications
PROCESSOR	32 bits, 400 MHz
CENTRAL MEMORY	64 Mbytes, high speed RAM 266 MHz
FLASH MEMORY	Non volatile 128 Mbytes
OPERATING SYSTEM	Safety and flexible multitasking / multithreading operating system with GPL license

USER INTERFACE SPECIFICATIONS

PUMP CENTRALIZATION DISPLAY	Function: displays infusion pump alarms and pre-alarms Size: 70mm * 30mm - Type: LED Color: RED (pump alarms - high priority) / YELLOW (pump pre-alarms - Medium and low priority) / RED and YELLOW (maintenance mode) Viewing angle: 360° @ 4 meters
MAIN STATUS INDICATOR	Function: displays main connected status Type: LED - Color: GREEN
BATTERY STATUS INDICATOR	Function: displays Link+ battery status and alarm Type: LED - Color: GREEN / YELLOW / RED
SYSTEM STATUS INDICATOR	Function: displays Link+ internal software status Type: LED - Color: GREEN / YELLOW / RED
RESET BUTTON	Function: reboots Link+ internal software Type: protected push button

DIMENSIONS - WEIGHT

LINK 4+	H/W/D 720 mm (28.35 in) x 195 mm (7.68 in) x 163 mm (6.42 in) Weight 4.1 kg (9.04 lb)
LINK 6+	H/W/D 1010 mm (39.76 in) x 195 mm (7.68 in) x 163 mm (6.42 in) Weight 5.2 kg (11.46 lb)
LINK 8+	H/W/D 1290 mm (50.79 in) x 195 mm (7.68 in) x 163 mm (6.42 in) Weight 6.4 kg (14.11 lb)

MAINS POWER INPUT SPECIFICATIONS

FUNCTION	Primary power source for Agilia power outlets and for internal electronics of Link+
CONNECTOR	Standard appliance inlet IEC type C14 - male - 3 poles
POWER SUPPLY	100 V to 240 V AC / 50 - 60 Hz
MAXIMUM POWER (with pumps)	Link 4+: 75 VA Link 6+: 105 VA Link 8+: 135 VA
PROTECTIVE FUSES	2 fuses, 2 A timed with high breaking capacity - T 2A H 250 V Fuseholder is externally accessible on mains power inlet connector
ELECTRIC PROTECTION	Class I with protective earth, with 3-wire power cord

AGILIA PUMP POWER OUTPUT SPECIFICATIONS

FUNCTION	Power source output for Agilia IV infusion pumps
CONNECTOR	Standard line outlet IEC type C13 - female - 3 poles
POWER SUPPLY	100 V to 240 V AC / 50 - 60 Hz
MAXIMUM POWER	15 VA per outlet
PROTECTIVE FUSES	Report to mains power input fuses
ON / OFF POWER	No power on empty position Earth pole is functional earth only

BATTERY SPECIFICATIONS

FUNCTION	Backup battery for mains power failures and transport of the rack
ACCESS	Internal battery holder accessible with specific tools by qualified engineer
CHARACTERISTICS	7.2 V / 2.2 Ah - Lithium Ion rechargeable battery
BATTERY AUTONOMY	1 H min
SELF PROTECTIONS	Over-current, over-discharge, over-voltage and overtemperature
BATTERY LIFE	Preventive replacement after 3 years

MECHANICAL SPECIFICATIONS FOR LOCKING CLAMPS

POLE	Diameter: from 16 to 42 mm
RAIL	Height: from 16 to 42 mm / Depth: 30 mm max.

COMPLIANCE WITH STANDARDS

CE 0123	Complies with the 93/42/CEE Medical directive	
SAFETY OF ELECTROMEDICAL EQUIPMENTS	Complies with EN/IEC 60601-1	IP22 protection against dust and splashing liquid Protection against leakage current; type B applied part Class I with protective earth Agilia power outlets are wired on internal functional earth to reduce residual current that may disturb ECG or EEG devices
EMC (electromagnetic compatibility)	Complies with EN/IEC 60601-1-2	

Agilia

The Agilia family offers a complete range of infusion pumps, accessories and disposables to cover all major IV drug administration needs.

Injectomat Agilia



Injectomat MC Agilia



Injectomat TIVA Agilia



Volumat Agilia



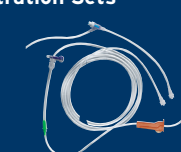
Volumat MC Agilia



Links & Accessories



Administration Sets



Maintenance Tools

