Compat ella®

PDMS Cable

The Compat Ella® PDMS Cable enables the connection of Compat Ella® enteral feeding pump to Patient Data Management Systems (PDMS)* in order to help visualise the impact of the prescribed nutrition therapy and help to improve patients' nutritional status in ICU patients.

Features at a Glance

Allows physical connection to PDMS in order to enable the tracking of key information such as rate and volume given with the Compat Ella® pump.

Serial Connection: Enables connection by converting therapy information from pump to standard serial format.
Stream therapy data at regular intervals with alarms (including warnings and malfunctions) sent as they occur.

Compatibility: Compat Ella® enteral feeding pump is "PDMS-friendly": it can send readable data through a third party system. The list of compatible third party systems is available upon request.
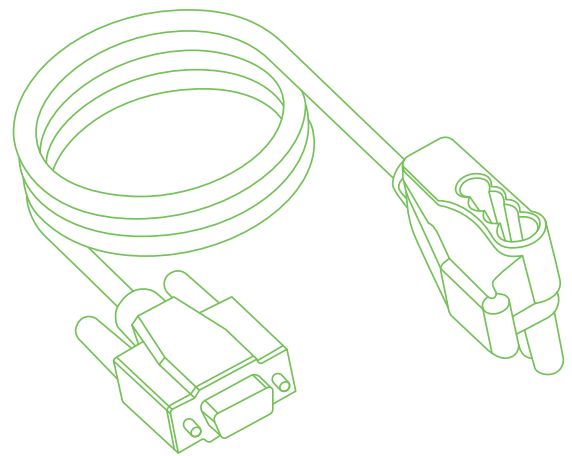
Data Available from the Pump

- Therapy Rate
- Therapy Dose
- Therapy Volume Delivered
- Pump Mode
  (Off, Standby, Pause, Priming, Run, Continuous, Run Interval)

- Interval Mode (On/Off)
- Bolus Dose
- Interval Time
- Time to End
- Time to End Bolus
- Time to Next Bolus

- Warning
- Alarm
- Malfunction

Additional Communication Notes:
- Compat Ella® emits data only. No control of the pump is possible via PDMS.
- Data is updated at regular intervals (1 minute**) and when Compat Ella® enteral feeding pump is stopped/started.
- PDMS software functionality does not allow for the PDMS & Nurse call to be simultaneously functional.
- When connected to PDMS (or Nurse Call) pump alarm functionality is unchanged. Alarms are only logged on the PDMS system as stoppages, but no alarm functionality is programmed into the PDMS.
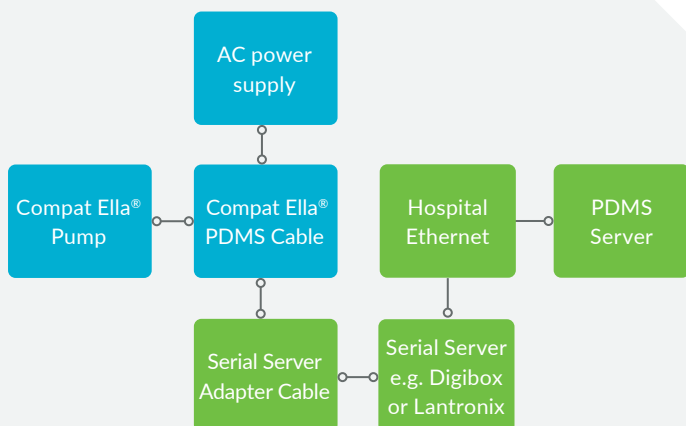
Ordering Information

Product Name	Product Code	Qty/Box
Compat Ella® PDMS Cable	12277770	1

Have you met Compat Ella®?

Compat Ella® PDMS Cable

Most Common Setup

AC power supply

Compat Ella® Pump

Compat Ella® PDMS Cable

Hospital Ethernet

PDMS Server

Serial Server Adapter Cable

Serial Server e.g. Digibox or Lantronix

Legend:
- 🔵 Compat® representative
- 🟢 Third Parties

Compat Ella® Pump (B)

Pump Connector (A)

Ella Pin	Function	DB9 pin
1	Power	
2	GND	5
3	RX / RIN	3
4	TX / DOUT	2

DB9 Female Connector (C)

⑤ 4 ③② 1

9 8 7 6
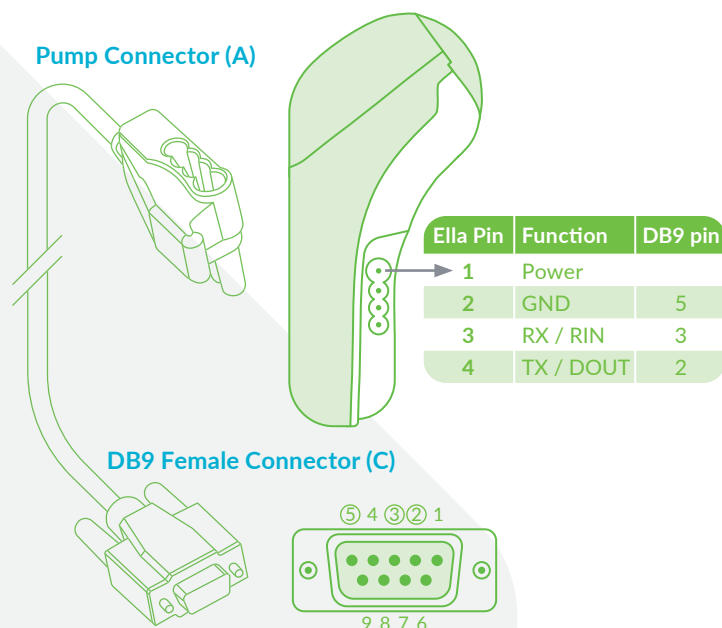
Hardware Overview

Compat Ella® pump:	· Sends nutritional therapy data to PDMS every 1 minute** · Communication mode on Compat Ella® pump must be set to "PDMS" in advanced settings
Compat Ella® PDMS cable:	· Includes Compat Ella® AC power piggy-back pump connector (A) · Includes PDMS male connector compatible with Compat Ella® enteral feeding pump (B) · Includes DB9 female connector with active pins 2, 3 and 5 (C) · Converts pump data to standard serial format i.e. logic-level signals to signals conforming to 3-wire RS-232 standard (performed by included MAX3321E RS-232 line driver / receiver)

Communication parameters:	Protocol: RS232	Data Bits: 8
	Baud Rate: 115200***	Stop Bits: 1
	Parity: None	Flow control: None

Power adapter:	· Must be plugged in for PDMS to function · Powers the Compat Ella® PDMS cable
Serial server Adapter cable:	· Adapts Compat Ella® PDMS cable connector to serial server connection eg. Compat Ella® DB9 Female to Serial Server RJ45 (not included)
Serial server:	· Converts data from RS-232 to Ethernet (not included)
PDMS server:	· Includes PDMS software and is connected to the hospital network (not included) · Includes custom drivers used to translate data from pump to data usable by PDMS system (not included)

Specifications

Packing:	1 piece per case (125 x 130 x 85 mm).
Storage:	Store at room temperature. Keep away from sunlight and humidity.
Cable length:	200 cm.
IPX rating:	IPX1.
CE Mark:	Complies with the European Medical Device Regulation 2017/745.

Classification:	Class I.
Legal manufacturer:	Axium MTech S.A., Allée de la Petite Prairie 4, 1260 Nyon, Switzerland.
Country of origin:	Made in China.

Compat®