

METERLINK LOCAL DATA CONCENTRATOR (LDC)

SPECIFICATION

Hardware.

Main Controller.

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|----------------|--|
| SoC | DM&P (SiS) Vortex86 System on Chip CPU-166MHz Real Time Clock with battery Backup |
| Bus | PC/104 Standard Compliant |
| BIOS | AMI BIOS |
| Memory | Onboard 128MB SDRAM |
| VGA Video | AGP Rev. 2.0 Compliant Shared System Memory up to 64MB (default 8 MB) Support resolution up to 1,280 x 1,024 True Colours VGA and STN/DSTN/TFT Flat panel Interface Support |
| Watchdog | Software Programmable from 4ms to 1 Hour |
| LAN | Realtek 8100B10/100Mbps Ethernet Controller Half/Full Duplex capability |
| Audio | Fully Compliant with AC97 V2.1 Hardware DirectSound Accelerator |
| Flash Disk | MSTI EmbedDisk module (16MB and above) PQI DiskOnModule (16MB and above) |
| I/O Interface | Enhanced IDE Port x 1 FDD Port x 1 RS-232 Port x 3 RS-232/485 Port x 1 Parallel Port x 1 USB Port x 2 (Ver 1.1) 16-Bit GPIO Port x 1 10/100Mbps Ethernet Port x 1 |
| Power Required | Single Voltage +5V @ 1.06A |

Temperature Operating -20 - +70 deg C
Storage -40 - +85 dec C.

Humidity 5% to 95% (Non-condensing)

EMC EN55022/11 level B conducted noise, level A radiated.

Immunity EN61000 -4 -2, 3, -4 -5 & 6 level 3.

Safety Approvals EN60950, IEC950, UL1950, VDE0805, CSA 22.2-234/950.

Switching Freq 65 kHz +/- 5kHz.

Leakage Current 0.4 mA at 230v AC.

Linear

Output Voltage +5v 500mA Maximum

Input Voltage 150 – 264 v AC

Input Frequency 47 – 440 Hz

Temperature Operating -20 - +70 deg C
Storage -40 - +85 dec C.

Humidity 5% to 95% (Non-condensing)

Leakage Current 0.4 mA at 230v AC.

Software.

Operating System DataLight ROM-DOS ver 6.2.

Capacity 3,000 Meters (Maximum) 250, 500, 1000, & 3000 meter options.
50 days Demand Data Retention (Maximum)
255 active tariffs.
5,000 (maximum) Pre-payment Buffer / Log. configurable
1, 2, or 3 PLC Communication Channels.

Functions Configurable automatic meter & demand reading algorithms.
Configurable automatic upload of meter and demand data.
Meter Disconnect / Reconnect facility.
Meter Tamper / Alarm automatic host notification.
Meter tariff management function.
Pre-payment Delivery Management System including Host automatic
delivery notification.

Communications Radio, Direct Connect, AA Modem, LAN, GSM
LV power line carrier
Configurable 2400,4800 or 9600 BPS.
Configurable Modem Control parameters.