Description

The LPU is the main building block of the S3000 IP-based access control system, taking full advantage of the existing IT network infrastructure and low cost structured cabling system (CAT5e or CAT6).

Additional LPUs can easily be added anywhere on the IT network to provide true system redundancy. The LPU is managed by the Xtralis M3000 software and also includes a front panel display for setup and testing.

The S3000 LPU provides database and command functions, runs on Linux OS and includes multiple levels of redundancy for increased reliability and performance, including dual Ethernet connections, dual power connections and optional Li-polymer batteries.

The LPU includes strong encrypted TCP/IP communication (SSL) and integrates with other Xtralis S3000 devices, including the RDCU, RDR, DCU, IOCU and M3000 software.

The S3000 access control system is fully interoperable with the Xtralis 3000 Series family of products, including the V3100 for video and audio recording and transmission, the V3500 for mass storage and archiving, and the V3001 for video wall applications.

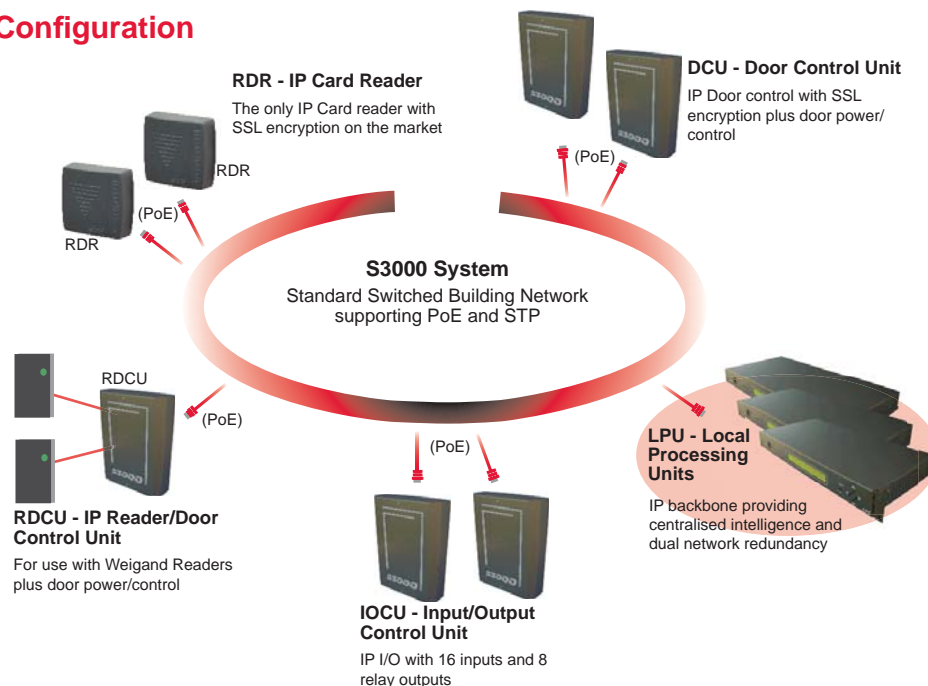## Xtralis Security Solution product family

Xtralis S3100:
Access & Security Panel

Xtralis ADPRO PRO Series PIR for outdoor detection

Xtralis S3000:
IP Access Control System with PoE

Xtralis V3100:
Network Audio & Video Recorder / Transmitter

Strong Encrypted TCP/IP

Power Over Ethernet

Xtralis M3000:
Command and Control Software

Analogue Cameras

Ethernet I/O

Xtralis FALCONnet:
Fire Detection & Control

Communication (SSL)

(IEEE 802.3af PoE)

Xtralis ADPRO Presidium Intelligent Video

Xtralis VESDA
Very Early Warning fire detection

Xtralis V3500:
High Capacity IP Video Storage Server

IP Cameras

Xtralis V3001:
IP Virtual Video Matrix Unit

Key Benefits

• Full IP, with power-over-Ethernet

• Dual Ethernet and power connections

• SSL data encryption

• Spanning Tree Protocol

• Plug-and-use technology

• Parallel processing and load balancing

• Full system redundancy

• Linux OS

• Front control panel display

• Auto-configured host

• IT network standards

xtralis®

SECURITY SOLUTIONS

Configuration

RDR - IP Card Reader
The only IP Card reader with SSL encryption on the market

RDR

(PoE)

RDR

(PoE)

DCU - Door Control Unit
IP Door control with SSL encryption plus door power/control

(PoE)

S3000 System
Standard Switched Building Network supporting PoE and STP

RDCU

(PoE)

RDCU - IP Reader/Door Control Unit
For use with Weigand Readers plus door power/control

(PoE)

(PoE)

LPU - Local Processing Units
IP backbone providing centralised intelligence and dual network redundancy

IOCU - Input/Output Control Unit
IP I/O with 16 inputs and 8 relay outputs

Specifications

Connection	Dual Ethernet 10/100 BaseT (RJ45 CAT5e or CAT6), Console (RJ45), USB Redundant Ethernet communication on switches with STP-support.
Indicators	Multi-coloured LEDs (Power supply 1 & 2 state, Battery State, PWR on/off).
Performance	P4 Equivalent Processor, 512 MB RAM.
Protocol	Strong encrypted (SSL) TCP/IP, NTP, ARP, ICMP, SSH, IPv4, IPv6 ready.
Operational modes	Intelligent processing controller with S3000 Local Database. Redundant communication by multiple LPU's.
Software	M3000 Windows-based security management software
Housing	Dimensions: 43 mm (1.7") H x 440 mm (17.3") W x 210 mm (8.3") D - Indoor use. Colour: RAL 7016 Weight: 3.500 kg (7.72 lbs) Excluding Li-polymer battery pack: 0.300 kg (0.661 lbs)
Power supply	Redundant power supply 2 x 75 Watt + Ext. 100-240 V / 24 VDC / 3 A AC/DC adapter. Optional Li-polymer Battery pack (1800 mAh).
Temperature – Humidity	Operational temperature: 0 - 35°C (32 – 95°F) - 0 - 95% RH non-condensing
Product code	S3000 LPU IP Local processing unit (1 AC/DC adapter included) - part number: 09003002 Optional Li-polymer battery pack for LPU / DCU: 100-240 V / 24 VDC / 3A adapter - part number: 09003800 100-240 VAC / 24 VDC / 3 A adapter for S3000 LPU - part number: 80060011

xtralis®

SECURITY SOLUTIONS