

KATALOG PRODUK

BUMN UNTUK
INDONESIA

INTI



PT INDUSTRI TELEKOMUNIKASI INDONESIA (PERSERO)

PRODUCT GENUINE



IDENTIK DL02

Merupakan perangkat pembaca Kartu Tanda Penduduk Elektronik (KTP-el) dengan layar yang masing-masing komponennya terintegrasi dalam satu kesatuan sehingga dapat digunakan secara mandiri tanpa harus terhubung dengan perangkat komputer. Perangkat Identik DL02 dapat diintegrasikan dengan sistem eksisting lainnya yang memanfaatkan jaringan *ethernet* dengan kabel LAN sebagai konektifitasnya.

Pembacaan
KTP-el

Verifikasi
Biometrik

TKDN + BMP

48.77%

LED Indikator

Layar
Sentuh

Sertifikasi



BPPT (No.48/PTIK/HU/2/2015)



TKDN (No.2039/SJ-IND.8/TKDN/12/2020)



BSSN (No.011/PI/UJI.01/10/2021)

Anti-Temper

Koneksi
Ethernet

Manfaat & Keuntungan

- Peningkatan *security* dan verifikasi data KTP-el berbasis biometrik
- Dapat diintegrasikan untuk berbagai kebutuhan sistem atau aplikasi eksternal
- Perluasan pemanfaatan KTP-el secara elektronik
- Pelayanan menjadi *paperless*, tanpa adanya dokumen fisik
- Efisiensi dalam proses pelayanan administrasi data kependudukan atau data pelanggan
- Pemanfaatan layar untuk digital *signage* yang menampilkan profil perusahaan maupun informasi marketing lainnya

Dimensi

- **Ukuran Perangkat**
180mm x 180mm x 90mm (P x L x T)
- **Ukuran Kemasan**
230mm x 200mm x 150mm (P x L x T)
- **Berat**
1,4 Kg (termasuk kemasan dan aksesoris)

Spesifikasi

Smart Card Reader	
Tipe	: Contactless
Standar	: ISO 14443 A and B compliant
Frekuensi	: 13,56 MHz $\pm$ 7 KHz
Kuat Medan Operasi	: 1,5 A/m (rms) to 7,5 A/m (rms)
Jarak Transaksi	: Maksimum 5 cm
Inisialisasi dan anti <i>collision</i>	: ISO/IEC 14443-3
Bit Rate	: fc/128 (~ 106 kbit/s) fc/64 (~ 212 kbit/s) fc/32 (~ 424 kbit/s) fc/16 (~ 848 kbit/s)
Protokol Komunikasi	: T = CL
Slot Secure Access Module (SAM)	: Single SAM slots (SIM Type) (ISO 7816, T=0, T=1)
Otentikasi	: Mendukung otentikasi dua arah antara <i>smart card reader</i> dan chip
Temperatur	: -20 ~ 60° C

Fingerprint Scanner

Tipe Sensor	: Optical
Luas permukaan sensor	: 15,24 x 20,32 mm
Resolusi Pixel	: 500 dpi
Citra Keluaran	: 8 bit
Standar Sensor	: FBI PIV-071006 & Mobile ID FAP 20, INCITS 378, BioAPI, ISO/IEC 19794-2, ISO/IEC 19794-4, FCC, CE, RoHS, FIPS 201 (HSPD-12), STQC
Standar <i>Minutiae</i> Sidik Jari	: ISO.IEC 19794-2

Perangkat Komputasi

Prosesor	: 32 Bit ARM Processor Cortex A8 1GHz
Memori	: DDR3 SDRAM 512 MB / Nand Flash 1 GB
Layar Tampilan	: 4.3" TFT 18 bit (RGB) LCD <i>with</i> resistive touch screen
Resolusi Layar Tampilan	: 480 x 272 (RGB)
Data Interface	: <i>Ethernet</i>
Keamanan Perangkat	: <i>Anti Tampering Feature</i>

Catu Daya

Input Power	: 5V DC, 2A
AC Adapter	: 100 V to 240 V AC, 50 Hz/60 Hz
Battery	: 6800 mAh (<i>up to 4 hours</i>)

IDENTIK TL01

Merupakan perangkat pembaca Kartu Tanda Penduduk Elektronik (KTP-el) tanpa layar yang memiliki ukuran yang lebih minimalis sehingga mudah digunakan dalam kegiatan dengan mobilitas tinggi. Untuk menampilkan hasil pembacaan KTP-el perlu di koneksikan dengan perangkat lain seperti PC Desktop, Laptop, Tablet, atau *Smartphone* Android menggunakan Kabel USB, Bluetooth, Kabel LAN atau WIFI.



Pembacaan
KTP-el

Verifikasi
Biometrik

TKDN + BMP

50.19%

Anti-Temper

LED & Audio
Indikator

Dilengkapi
API/SDK

Sertifikasi



BPPT (No. 1/PTE/HU/08/2020)

TKDN (No. 11116/SJ-IND.8/
TKDN/12/2021)

BSSN (No. 018/P1/UJI.01/05/2022)

Koneksi
Wireless

Android App

Ukuran
Minimalis

Manfaat & Keuntungan

- Peningkatan *security* dan verifikasi data KTP-el berbasis biometrik
- Dapat diintegrasikan untuk berbagai kebutuhan sistem atau aplikasi eksternal
- Perluasan pemanfaatan KTP-el secara elektronik
- Pelayanan menjadi *paperless*, tanpa adanya dokumen fisik
- Efisiensi dalam proses pelayanan administrasi data kependudukan atau data pelanggan
- Konektifitas yang beragam dapat disambungkan dengan berbagai perangkat *mobile* seperti tablet android atau *smartphone* android

Dimensi

- **Ukuran Perangkat**
176mm x 85mm x 42mm (P x L x T)
- **Ukuran Kemasan**
100mm x 200mm x 80mm (P x L x T)
- **Berat**
325g

Spesifikasi

Smart Card Reader	
Tipe	: Contactless
Standar	: ISO 14443 A and B compliant MIFARE™ ISO 18092 (NFC) DESFire FeliCa®
Frekuensi	: 13,56 MHz ± 7 KHz
Baudrate (kbit/s)	: 106, 212, 424, 848 kbps Up to 424 kbps for NFC communication
Kuat Medan Operasi	: 1,5 A/m (rms) to 7,5 A/m (rms)
Jarak Transaksi	: Maksimum 5 cm
Keamanan	: Memiliki mekanisme perlindungan keamanan terhadap SAM
Otentikasi	: Mendukung otentikasi dua arah antara <i>smart reader</i> dan chip
Protokol Komunikasi	: T=0, T=1, dan T=CL
Host Protocol	: PC/SC, Proprietary
Slot Secure Access Module (SAM)	: Single SAM Slots (SIM Type) (ISO 7816, T=0, T=1)
Indikator	: 2 LEDs

Temperatur	: -10 ~ 60° C
Antena	: <i>Direct matching (embedded)</i>

Fingerprint Scanner

Tipe Sensor	: <i>Optical</i>
Luas permukaan sensor	: 15,24 x 20,32 mm
Resolusi Pixel	: 500 dpi
Citra Keluaran	: 8 bit
Standar Sensor	: FBI PIV-071006 & <i>Mobile ID</i> FAP 20, INCITS 378, BioAPI, ISO/IEC 19794-2, ISO/IEC 19794-4, FCC, CE, RoHS, FIPS 201 (HSPD-12), STQC
Standar <i>Minutiae</i> Sidik Jari	: ISO/IEC 19794-2

Perangkat Komputasi

Prosesor	: <i>Allwinner H3</i> , Quad-Core Cortex-A7 Up to 1.2 GHz
Memory	: 512 MB DDR3 RAM
Storage	: 8GB eMMC <i>Support MicroSD up to 32 GB</i>
Audio Output	: <i>Speaker dan Buzzer</i>

<i>Data Interface</i>	: <i>Ethernet</i> USB Mini-A Port Bluetooth Wifi
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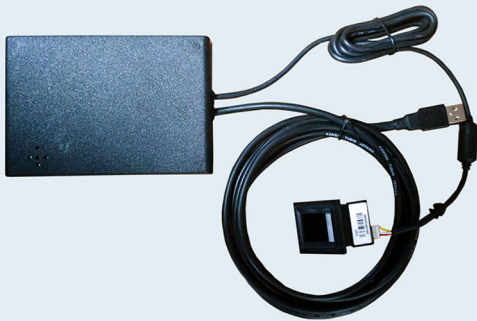
<i>Supported Operating System</i>	: Windows, Android
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Karakteristik Fisik Perangkat Terintegrasi

Keamanan Perangkat	: <i>Anti Tampering Feature</i>
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Catu Daya

<i>Input Power</i>	: 5V (AC Power) dengan USB Mini-A
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IDENTIK MD01

Merupakan perangkat pembaca Kartu Tanda Penduduk Elektronik (KTP-el) dalam bentuk modul terpisah namun tetap dalam satu kesatuan struktur yang terdiri dari modul *Smartcard Reader* dan *Biometric Fingerprint Scanner* yang dihubungkan melalui kabel USB. Manfaat perangkat ini agar mudah di implementasikan ke berbagai macam mesin seperti *ATM*, *Boarding Pass*, *Barrier Gate*, *Vending Machine*, *Self Service Machine (Kiosk)*, dan lain sebagainya.

Pembacaan
KTP-el

Verifikasi
Biometrik

TKDN + BMP

62.2%

Dilengkapi
API / SDK

Anti-Temper

Sertifikasi



BPPT (No . 1/PTE/HU/2/2021)



TKDN (No . 17841/SJ-IND.8/E-TKDN/12/2024)



BSSN (No . 007/P1/UJI.01/09/2021)

USB Power
Input

Manfaat & Keuntungan

- Peningkatan *Security* dan Verifikasi Data KTP-el berbasis biometrik
- Dapat diintegrasikan untuk berbagai kebutuhan sistem atau aplikasi eksternal
- Perluasan pemanfaatan KTP-el secara elektronik
- Pelayanan menjadi *Paperless*, tanpa adanya dokumen fisik
- Efisiensi dalam proses pelayanan administrasi data kependudukan atau data pelanggan
- Bentuk perangkat yang modular menjadikan mudah untuk di implementasikan ke berbagai jenis mesin lainnya

Dimensi

- **Ukuran Perangkat**
125 mm x 85 mm x 20 mm (P x L x T)
- **Ukuran Kemasan**
300 mm x 115 mm x 75 mm (P x L x T)
- **Berat**
120 g (hanya modul *smartcard*)
254 g (dengan modul *fingerprint* dan kabel)

Spesifikasi

Smart Card Reader	
Tipe	: Contactless
Standar	: ISO 14443 A and B compliant MIFARE™ ISO 18092 (NFC) DESFire FeliCa®
Frekuensi	: 13,56 MHz ± 7 KHz
Baudrate (kbit/s)	: 106, 212, 424, 848 kbps Up to 424 kbps for NFC communication
Kuat Medan Operasi	: 1,5 A/m (rms) to 7,5 A/m (rms)
Jarak Transaksi	: Maksimum 5 cm
Keamanan	: Memiliki mekanisme perlindungan keamanan terhadap SAM
Otentikasi	: Mendukung otentikasi dua arah antara <i>smart reader</i> dan chip
Protokol Komunikasi	: T=0, T=1, dan T=CL
Host Protocol	: PC/SC, Proprietary
Slot Secure Access Module (SAM)	: Single SAM slots (SIM Type) (ISO 7816, T=0, T=1)
Indikator	: 2 LEDs
Temperatur	: -10 ~ 60° C

Antena : *Direct matching (embedded)*

Fingerprint Scanner

Tipe Sensor : Optical

Luas permukaan sensor : 15,24 x 20,32 mm

Resolusi Pixel : 500 dpi

Citra Keluaran : 8 bit

Standar Sensor : FBI PIV-071006 & Mobile ID FAP 20, INCITS 378, BioAPI, ISO/IEC 19794-2, ISO/IEC 19794-4, FCC, CE, RoHS, FIPS 201 (HSPD-12), STQC

Standar Minutiae Sidik Jari : ISO/IEC 19794-2

Perangkat Komputasi

Prosesor : Allwinner H3, Quad-core Cortex-A7 Up to 1.2 GHz

Memory : 512 MB DDR3 RAM

Storage : 8GB eMMC
Support MicroSD up to 32 GB

Audio Output : Speaker dan Buzzer

Data Interface : USB Male Port

Supported Operating System : Windows

Karakteristik Fisik Perangkat Terintegrasi

Keamanan Perangkat : *Anti Tampering Feature*

Catu Daya

Input Power : DC 5V Through USB A, Max Power Consumption 500mA

IDENTIK AE01

Identik AE01 merupakan perangkat pembaca Kartu Tanda Penduduk Elektronik (KTP-el) dalam bentuk perangkat terpadu pembayaran elektronik (perangkat EDC) terintegrasi dengan aplikasi berbasis android. Hal ini memudahkan perangkat dalam proses pembayaran dengan verifikasi KTP-el berbasis biometrik (*fingerprint scanner*).



Pembacaan KTP-el	Verifikasi Biometrik	TKDN + BMP	41.91%
API / SDK App Android	Anti-Temper		
EDC Integrated	Terminal Management System	Sertifikasi  BRIN BADAN RISET DAN INOVASI NASIONAL  Kementerian Perindustrian REPUBLIK INDONESIA  BPPT (No . 01/PTE/HU/01/2018) TKDN (No . 6473/SJ-IND.08/TKDN/7/2021) BSSN (No . 14/P1/UJI.01/11/2021)	
		LED & Audio Indikator	
		Payment	

Manfaat & Keuntungan

- *Digital payment services*, mendukung berbagai macam *merchant payment*.
- *Mobile portable* bisa dibawa tanpa kabel, tidak butuh komputer/PC.
- Anti temper (bila casing dibuka atau rusak, maka tidak bisa digunakan).
- *Compact*, mendukung banyak fungsi dalam satu perangkat (*mobile apps, magnetic card, smart card, contactless card, QRCode, biometric, print*).
- *Cashless*, mendukung berbagai jenis pembayaran, Kartu Debit, Kartu Kredit.
- Aplikasi berbasis android dapat ditanam langsung di perangkat.
- *Collected Data* untuk Big Data analitik.
- Bukti pembayaran langsung dapat dicetak di perangkat.
- Peningkatan *Security* dan Verifikasi Data KTP-el berbasis biometrik
- Perluasan pemanfaatan KTP-el secara elektronik
- Pelayanan menjadi *Paperless*, tanpa adanya dokumen fisik
- Efisiensi dalam proses pelayanan administrasi data kependudukan atau data pelanggan

Dimensi

- **Ukuran Perangkat**
200 mm x 87 mm x 56 mm (P x L x T)
- **Ukuran Kemasan**
300 mm x 115 mm x 75 mm (P x L x T)
- **Berat** : 855 g

Spesifikasi

Smart Card Reader	
Tipe	: Contactless
Standard	: ISO 14443 A and B compliant
Frekuensi	: 13,56 MHz $\pm$ 7 KHz
Kuat Medan Operasi	: 1,5 A/m (rms) to 7,5 A/m (rms)
Jarak Transaksi	: Maksimum 7 cm
Inisialisasi dan anti collision	: ISO/IEC 14443-3
Bit Rate	: fc/128(~106kbit/s) fc/64(~212kbit/s) fc/32(~424kbit/s) fc/16 (~ 848 kbit/s)
Protokol Komunikasi	: T = CL

Secure Access Module	
Slot Secure Access Module (SAM)	: 4 SAM slots (SIM Type) (ISO 7816, T=0, T=1)
Support Cardtype	: Supports 1.8v 3.3v 5v Card

Magnetic Card Reader	
Magnetic Card Reader	: 1 x Magnetic Card Reader ,Track 1/2/3, Bi-directional, ISO7810, ISO7811, ISO7813.

Smart Card Reader

Smart Card Reader	:	1 x Smart Card Reader, Supports 1.8V, 3.3V, 5V card, Supports Memory Card, CPU Card, EMV L1 & L2, PBOC3.0, ISO7816 standard.
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Fingerprint Scanner

Tipe Sensor	:	Optical
Luas permukaan sensor	:	15.24 x 20.32 mm
Resolusi Pixel	:	500 dpi
Citra Keluaran	:	8 bit
Standar Sensor	:	FBI PIV-071006 & Mobile ID FAP 20, INCITS 378, BioAPI, ISO/IEC 19794-2, ISO/IEC 19794-4, FCC, CE, RoHS, FIPS 201 (HSPD-12), STQC
Standar Minutiae Sidik Jari	:	ISO.IEC 19794-2

Perangkat Komputasi

Processor	:	A7, Quad-core, 1.1GHz
Memory	:	1GB DDR3 SDRAM, 8GB EMMC
Display/Layar Tampilan	:	5.5" 1280*720 pixel, LCD, backlight control, signal strength, battery status, Support multipoint capacitance touch, and touch operation
WIFI	:	Standard: 802.11b/g/n
Mobile Communication	:	Support GSM
Printer	:	High-speed thermal printer; printing speed: 16 lines/s, paper width: (57.5±0.5)mm
Camera	:	Sensor resolution: 5 Megapixel; image frame rate: 15fps or above; support auto-focusing

Physical Key	:	1 ON/OFF key, sound control key
LED	:	4 LED
Audio	:	Support built-in speakers and audio play
GPS	:	Support built-in GPS and Beidou, GLONASS, Galileo system, LBS positioning
Bluetooth	:	Support BT4.0 BLE
Resolusi Layar Tampilan	:	720 x 1280 (RGB)
Port	:	1 Micro USB, USB 2.0HS standard 1 SIM card slot 4 PSAM card slot 1 Micro SD card slot, Supports up to 32GB
Supported Operating System	:	Android 5.1 (Lollipop)
Environmental	:	Working temperature: -15° ~ 55°, Relative humidity: 5% ~ 95% (non- condensation), Storage temperature: -20° ~ 60°

Karakteristik Fisik Perangkat Terintegrasi

Keamanan Perangkat	:	Anti Tampering Feature
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Catu Daya

Baterai	:	Long lasting lithium battery, 5000mAh, 3.7V
Input Power	:	5V 2A DC; Micro-USB standard charging port
AC Adapter	:	100 V to 240 V AC, 50 Hz/60 Hz



INTIBOOK

Intibook is a laptop device based on the Intel Platform, with quality materials good for meeting customer needs.

12th Generation
Intel® Core™
Processor

1,4kg Ultra
Lightweight

Intel® UHD
Graphics

TKDN + BMP

35.94% (i5)

37.12% (i3)

Sertifikasi



TKDN (3291/SJ-IND.8/4/2024) (i5)

TKDN (3292/SJ-IND.8/4/2023) (i3)

Spesifikasi

Processors	: • Intel® Core™ i5-1235U (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) • Intel® Core™ i7-1255U (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB smart cache, 10 cores, 12 threads)
Processor Family	: • 12 th Generation Intel® Core™ i5 processor • 12 th Generation Intel® Core™ i7 processor
Memory	: 8 GB DDR4-3200 MHz
Internal Storage	: 512GB SSD PCIE3.0
Display	: 14" (16:9), EDP, FHD
Graphics	: Intel® UHD Graphics
Ports	: 2*USB3.2 Gen1, 1*USB Type-C, 1*USB2.0, 1*HDMI, 1*headphone/microphone combo
Expansion Slots	: 1 multi-format SD media card reader
Webcam	: 1MP HD camera
Display	: 14inch FHD (1920 x 1080)

Keyboard	: US/UK, backlit, FingerPrint (intergrated with Touchpad)
Wireless	: Intel® Wi-Fi 6 AX101 WiFi 802.11b/g/n/ac/ax, 2.4 & 5 GHz and Bluetooth® 5 wireless card
Power Supply Type	: 65W AC Adapter
Battery Type	: Li-polymer Battery
Dimensions	: Without Stand (W X D X H) 325x214.8x17.9mm
Weight	: <1.4kg
Product Color	: Silver
Security Management	: Trusted Platform Module (Firmware TPM) support
Warranty	: 1 Years Limited Parts and Labour Warranty



INTI CHROMEBOOK

DESIGNED AND ENGINEERED FOR INDONESIAN BUSINESSES

Designed to help you get things done faster and easier, Chromebooks are powered by ChromeOS, a cloud-enabled operating system, with the best of Google built-in, and multi-layered security.

Built for **Indonesia**

Built in Indonesia for Indonesian businesses, The INTI Chromebook V1 offers local companies powerful performance, cloud-based flexibility, and robust security features. Now your team can work efficiently and securely, wherever they are.

Built for **Security**

Built for today's remote workforce, The INTI Chromebook V1 keeps your business data safe with automatic updates and security features like verified boot, a read-only OS, data encryption, and sandboxing. ChromeOS has also had zero reported successful ransomware attacks to date².

Built for **Teamwork**

Built for productivity and mobility, the INTI Chromebook V1 has up to 10 hours of battery life on a single charge¹, letting you easily collaborate on the go. Get things done confidently with fast boot times, an intuitive user experience, and robust security features. Plus, securely boost productivity with access to your favorite cloud apps like Google Workspace.

Built for **Resilience**

Both durable and reliable, the INTI Chromebook V1 meets military-grade durability standards³, resisting drops, vibrations, and accidental spills⁴. Plus, zero-touch enrollment and remote monitoring lets IT departments efficiently support remote workforces.

	Onboard processor	: AMD Ryzen 3 7320C
	Operating System	: ChromeOS
	Display	: 14" FHD, 1920 x 1080 IPS
	Dimensions	: 329.2mm (W) x 219.25 (D) x 18.8 (H)
	Weight	: 1.52kg
	Keyboard	: US 74 keys, 292mm, with 3.2mm height
	Memory	: Up to 8GB
	Storage	: Up to 128GB SSD
	Battery	: Up to 10 hours ⁴

	Ports	: 2 x USB 3.2 Gen1 Type-C (PD/Data/DP) 2 x USB 3.2 Gen1 Type-A 1 x HDMI 1.4 1 x Micro SD card reader
	Audio	: 1 x 3.5mm combo Audio jack
	Connectivity & Bluetooth	: 802.11a/ac/ax/b/g/n (WIFI 6, 5GHz/2.4GHz dual band)
	Security	: Built-in webcam shutter slider Kensington Lock support

¹ Actual battery life varies by model, configuration, applications, power management settings, operating conditions, and utilized features.

² As of July 2024, there has been no evidence of any documented, successful virus attack or ransomware attack on ChromeOS. Data based on ChromeOS monitoring of various national and internal databases. ChromeOS does not actively monitor any databases in Indonesia.

³ Meets MIL-STD durability standards Based on research and testing of up to 76cm 4Water resistance of up to 300cc of liquid on keyboard and 200cc of liquid on touchpad based on research and reports from INTI.

⁴ Actual battery life varies by model, configuration, applications, power management settings, operating conditions, and utilized features.



INTI-AP102AX

INDOOR WI-FI 6 ACCESS POINT

INTI-AP102ax is an enterprise-grade, concurrent dual-band Wi-Fi 6 indoor access point. INTI-AP102ax supports 5G 4 x 4 : 4 uplink and downlink MU-MIMO between the AP and multiple clients, with up to 2.9 Gbps aggregated data rate. INTI-AP102ax can be operated as a standalone mode or managed by Cloud Controller and on Premise Controller.

TKDN + BMP
44.37%

Sertifikasi

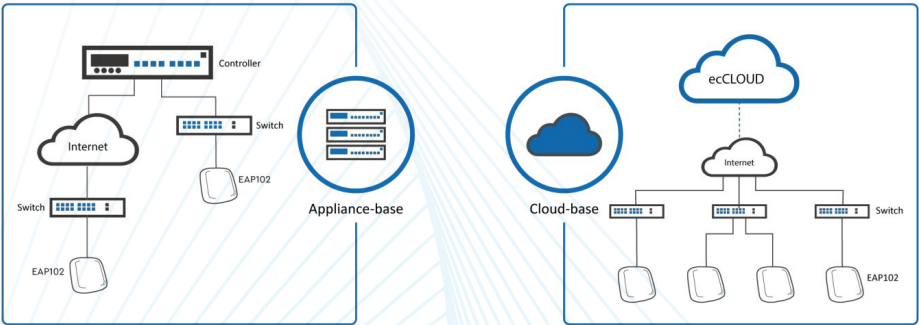


TKDN (5653/SJ-IND.8/TKDN/7/2023)

Highlights

- Concurrent Dual-Band 2.4GHz & 5GHz
- 802.11ax 4x4:4 UL MU-MIMO supporting up to 2.9 Gbps data rate
- Support up to 32 ESSIDs.
- Enterprise-Grade Wireless Security
- 802.3at Power over Ethernet (PoE)

Fitur



Spesifikasi

Physical	
Power	- DC Input: 12V / 2.0A (Power adapter included) - PoE: 802.3at compliant (PoE injector optional)
Dimensions (L x W x H)	: 19.5 cm x 20.1 cm x 3.98 cm (7.68 x 7.91 x 1.57 in)
Weight	: 0.7 kg (1.54 lbs)
Interface	- Uplink: 1 x 10/100/1000/2.5GBase-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE - LAN: 1 x 10/100/1000/2.5GBase-T Ethernet, Auto MDIX, RJ-45 - Console: 1 x RJ-45 Port - USB: 2 x USB 2.0 Port^{†1}

LED Indicator	: Uplink / 2.4G-WiFi / 5G-WiFi / Power
Buttons	: Restart/ Reset
Environmental Conditions	- Operating Temperature: 0°C (32°F) to 45°C (113°F) - Operating Humidity: 5% to 95% non-condensing
Power Consumption	: 25W max ²
Antennas	- Type: 4 x Built-in antenna (2.4 GHz & 5 GHz) - Gain: 5.5dBi (2.4 GHz, BLE), 7.6 dBi (5 GHz)
Mounts	: Wall/Ceiling/T-bar mount (Mounting kit included)

Wi-Fi	
Standards	802.11ax (Wi-Fi 6) - Concurrent dual-band 2.4 & 5 GHz
Supported Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: 6.5 – 300 Mbps (20 / 40 MHz) 802.11ac: 6.5 – 1733 Mbps (20 / 40 / 80 MHz) 802.11ax: 3.6 – 574 Mbps (2.4 GHz, 20 / 40 MHz) 802.11ax: 3.6 – 2400 Mbps (5 GHz, 20 / 40 / 80 MHz)
Radio Chains	2.4 GHz: 2 x 2 5 GHz: 4 x 4
Spatial Streams	2.4 GHz: 2; MU-MIMO support 5 GHz: 4; MU-MIMO support
Aggregate Conducted Transmit Power ³	2.4 GHz: Up to 23 dBm⁴ 5 GHz: Up to 26 dBm⁴

Channelization	:	• 2.4 GHz: 20 / 40 MHz • 5 GHz: 20 / 40 / 80MHz
Frequency Range	:	• 2.400 – 2.483 GHz • 5.150 – 5.850 GHz
Operating Channels	:	• 2.4 GHz: 1 – 13 • 5GHz⁴⁵: 36–161
ESSIDs	:	Up to 16 per radio (32 total)

Performance

Physical Data Rate	:	• Up to 574 Mbps (2.4 GHz) • Up to 2400 Mbps (5 GHz)
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Features

Wireless	:	• 802.11 k/r • Orthogonal Frequency Division Multiple Access (OFDMA) • Client Isolation • Open Mesh
Network	:	• Spanning Tree Protocol (STP) • Dynamic Host Configuration Protocol (DHCP) • 802.1q • Access Control List (ACL) • Network Address Translation (NAT) • Dynamic VLAN • Link Layer Discovery Protocol (LLDP)

Security	:	• WPA-Personal (AES) • WPA-Enterprise (AES) • WPA2-Personal (AES) • WPA2-Enterprise (AES) • WPA3-Personal (AES) • WPA3-Personal Transition (AES) • WPA3-Enterprise (AES) • WPA3-Enterprise transition (AES) • MAC Address Authentication
Maintenance	:	• Network Time Protocol (NTP) • Standalone • Management by ecCLOUD • Management by EWS-Series Controller (Complete tunnel) • SSH • QR Code Onboarding • SNMP v2c • Remote Syslog
QoS	:	RSSI Threshold (Optimal Client Filtering)

INTI-AP2AC

DUAL-BAND, DUAL-RADIO 802.11AC INDOOR ACCESS POINT

The INTI-AP2ac is a Wi-Fi access point based on 802.11ac technology with an integrated 2.4 and 5GHz (2x2) MIMO radios with 27dBm output power. The gigabit Ethernet port with 802.3af/at support allows powering the device with PoE switches. Two additional Gigabit Ethernet ports allow extending the network or connecting additional devices to the access point.



Infinity Controller : 3 Ways to Manage Your Network

Standalone

Each device is configured via the user interface individually. This method is suitable for small networks not requiring centralized management and monitoring.

Integrated Controller

The master access point manages and monitors other devices on the same network. This controller-less architecture is suitable for small to medium size networks with up to 50 devices.

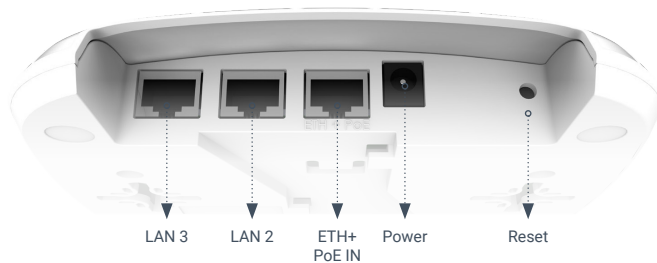
External Controller

A local or cloud-based controller is used to manage and monitor the devices allowing deployment of large scale networks and management using a single system.

Proximity

INTI-AP2ac access points have an integrated mobile device detection feature. Any device within range can be logged with MAC address and date / time without any user interaction. The data is exported in real time and can be used to enhance the services of enterprise or managed service providers by importing it to their own application. An API is available upon request. There are several technology partners already using the functionality including Cloud4Wi and Socifi.

Interfaces



Specifications

Wireless	
WLAN Standard	: IEEE 802.11a/b/g/n/ac
Radio Mode	: MIMO Dual 2x2
Operating Mode	: Access Point, Repeater
Radio Frequency Band	: 2.402-2.484GHz (Country-Dependent) FCC 2.412-2.462GHz (CH1-CH11) 5.170-5.875GHz (Country-Dependent) FCC 5.745-5.825GHz (CH149-CH161)
Transmit Power	: 2.4GHz: 27dBm @ MCS0 5GHz: 27dBm @ MCS0
Channel Size	: 20, 40, 80MHz
Modulation Schemes	: 802.11ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) 802.11a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11b: DSS (CCK, DQPSK, DBPSK)
Data Rates	: 802.11ac @ 80MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65Mbps 802.11n @ 40MHz: 300, 270, 240, 180, 120, 90, 60, 30Mbps 802.11a/g @ 20MHz: 54, 48, 36, 24, 18, 12, 9, 6Mbps 802.11b @ 20MHz: 11, 5.5, 2, 1Mbps
Duplexing Scheme	: Time division duplex
Wireless Security	: WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, Hotspot (UAM)
Roaming	: Yes

Antenna

Type	: 4 × internal omni-directional antennas
Gain	: 2.4GHz: 3dBi
Coverage Radius	: 100m (328ft)

Wired

Interface	: 3 × 10/100/1000 Base-T, RJ-45
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Networking

Operating Mode	: Bridge, Router IPv4 and IPv6
Management IPv4	: Static, Dynamic
Management IPv6	: Static, Dynamic Stateless, Dynamic Stateful
Secondary IPv4	: Supported
VLAN	: 802.1Q for Management and Data
Virtual SSID	: 8 per Each Radio
Client Isolation	: Supported
Bandwidth Limitation	: Supported per SSID

Traffic Management

Client Isolation	: Supported
Wi-Fi Multimedia (WMM)	: Supported
Multicast Enhancement	: Supported
Concurrent Clients	: Supported

Services

Services	: SNMP Server, NTP Client, WNMS Client
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Power

Power Method	: DC Jack (37-56V) or 802.3af/at with Passive PoE (37-56V) Support
Power Supply	: 100–240VAC to 48VDC PoE (Included)
Max Power Consumption	: 14W

Management

System Monitoring	: SNMP v3, Syslog
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Physical

Dimensions	: 153mm (6.1"), 147mm (5.8"), 29mm (1.14")
Weight	: 188g (6.63oz)
Mounting	: Suspended Ceiling Mount, Wall/Ceiling Mount, Pole Mount

Environmental

Operating Temperature	: -10°C (14°F) ~ +55°C (+131°F)
Humidity	: 0 ~ 90 % (Non-Condensing)

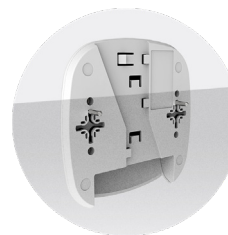
Regulatory

Certification	: FCC/IC/CE
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Hardware

SoC	: Qualcomm QCA9563
Radio	: QCA9882 (Generation: Wi-Fi 4, Wi-Fi 5); Spectral Bands: 2.4 GHz, 5 GHz; Channels: 20 MHz, 80 MHz, 40 MHz
RAM	: DDR2 128Mb
Flash	: NOR 16Mb

Flexible Mounting



Wall/Ceiling



Pole



Suspended Ceiling



INTI-AP360 LITE

2.4/5G HZ DUAL-RADIO 802.11AC OUTDOOR OMNI ACCESS POINT

The INTI-AP360 Lite is an outdoor Wi-Fi access point that utilizes the 802.11ac technology and integrated 2.4GHz and 5GHz 2x2 MIMO radios, boasting up to +25dBm of transmit power. The device's gigabit Ethernet port with 802.3af/at support allows users to power up the device using PoE switches. The INTI-AP360 Lite is specifically designed for cost-efficient, yet professional outdoor hotspot scenarios. The IP66-rated casing, integrated surge protection, and easy-to-use pole mounting ensure an effective and inexpensive solution for various applications, including public Wi-Fi, education, hospitality, retail, dining venues, and many more.

Automated
Device
Onboarding

Flexible
Network
Scaling

IP Session
Logging

Pay as
You Grow

Predefined
Scenarios
for Your
Applications



Infinity Controller

The Infinity Controller is an intuitive product and network management platform for your devices.

Benefits

- **Easy Mesh**

Easy Mesh is INTI-AP360 Lite solution to wireless network coverage expansion and device configuration automation. This feature is designed for the NFT Series (as well as DLB devices utilizing NFT firmware) and is only available on the External Infinity Controller.

The Infinity Controller allows users to set up an Easy Mesh network in a plain and simple way: just have at least one LAN-connected AP, create a new Easy Mesh network, assign devices to it, and you are good to go!

- **Proximity**

INTI-AP360 Lite access points have an integrated mobile device detection feature. This means that any device within range can be logged using the MAC address and date/time with out any user interaction. The data is exported in real time and can be used to improve the services of an enterprise or managed service provider by importing them into proprietary applications for analytics and insights. An API is available upon request. Several of LigoWave's technological partners are already using this functionality.

- **Small Form Factor**

A small form factor means smaller packaging, which in turn reduces transportation costs and enables the devices to blend in better with the surroundings. Moreover, the INTI-AP360 Lite is designed with a non-metallic IP66 weatherproof exterior, making the device lighter and corrosion-resistant.

- **Innovative Pole Mounting**

The INTI-AP360 Lite has an innovative adjustable mounting bracket, designed for assembly and installation on poles or walls. It consists of two easy-to-connect parts that allow robust mounting and precision tilting. A metal strap is included to securely tighten the device. The design includes additional reinforcements and strong materials to ensure resilience in extreme climate conditions.

Specifications

Wireless	
WLAN Standard	: IEEE 802.11a/b/g/n/ac
Radio Mode	: Dual 2x2 MIMO
Operating Mode	: Access Point, Repeater
Radio Frequency Band	: 2.402–2.482GHz (Country-Dependent); FCC2.402–2.472GHz (CH1–CH11) 5.150–5.850GHz (Country-Dependent); FCC5.150–5.250GHz (CH36–CH48), 5.725–5.850GHz (CH149–CH161)
Transmit Power	: 2.4GHz: 22dBm @ MCS7; 25dBm @ MCS0 5GHz: 20dBm @ MCS9; 25dBm @ MCS0
Channel Size	: 20, 40, 80MHz
Modulation Schemes	: 802.11ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) 802.11a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11b: DSS (CCK, DQPSK, DBPSK)
Data Rates	: 802.11ac @ 80MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65Mbps 802.11n @ 40MHz: 150, 135, 120, 90, 60, 45, 30, 15Mbps 802.11a/g @ 20MHz: 54, 48, 36, 24, 18, 12, 9, 6Mbps 802.11b @ 20MHz: (11, 5.5, 2, 1Mbps)
Duplexing Scheme	: Time division duplex
Wireless Security	: WPA/WPA2 (TKIP/AES) Personal, WPA/WPA2 (TKIP/AES) Enterprise, WACL, Hotspot (UAM)
Roaming	: Yes (802.11r Fast Roaming)

2.4GHz

40MHz	Modulation, Mbps	150	135	120	90	60	45	30	15
	TX Power, dBm	22	22	23	24	24	24	24	25
	Receive Sensitivity, dBm	-66	-68	-70	-74	-76	-80	-82	-86

5GHz

40MHz	Modulation, Mbps	400	360	300	270	240	180	120	90	60	30
	TX Power, dBm	20	21	22	23	23	24	24	24	24	25
	Receive Sensitivity, dBm	-62	-65	-69	-72	-73	-78	-81	-84	-87	-90

80MHz	Modulation, Mbps	866	780	650	585	520	390	260	195	130	65
	TX Power, dBm	20	21	22	23	23	24	24	24	24	25
	Receive Sensitivity, dBm	-58	-60	-66	-68	-70	-74	-77	-81	-84	-88

Antenna	
Type	: Integrated Omni-directional 2.4/5GHz 360° antennas
Gain	: 7dBi(5GHz)/5dBi(2.4GHz)

Wired

Interface : 10/100/1000 Base-T, RJ-45

Networking

Operating Mode : Bridge, Router IPv4 and IPv6

Management IPv4 : Static, Dynamic

Management IPv6 : Static, Dynamic Stateless, Dynamic Stateful

Secondary IPv4 : Supported

VLAN : 802.1Q for Management and Data

Virtual SSID : 16 (8 per radio)

Band Steering : Supported (Auto or User-configurable)

Traffic Management

Client Isolation : Supported

Wi-Fi Multimedia (WMM) : Supported

Multicast Enhancement : Supported

Concurrent Clients : 254

Services

Services : SNMP server, NTP client, system alerts

Discovery Services : Bonjour, CDP/LLDP, SSDP

Power

Power Supply : 802.3af/at with Passive PoE (37–56V) Support

Power Source : 100–240VAC to 48VDC PoE (Included)

Power Consumption : Up to 12W max, under 10W typical

Management

System Monitoring via SNMP v1, Full Management via External NFI Controller

Physical Specifications

Dimensions : 380mm, 100mm, 35mm

Weight : 0.460g

Mounting : Pole Mounting Bracket Included

Environmental Specifications

Operating Temperature	: -40°C (-40°F) ~ +65°C (+149°F)
Humidity	: 0~90% (Non-Condensing)
Surge Protection	: 2/4kV (IEC61000 Class 4)

Regulatory

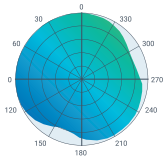
Certification	: CE/ETSI, EN62368
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Hardware

SoC	: Qualcomm QCA9563
Radio	: QCA9882 (Generation: Wi-Fi 4, Wi-Fi 5); Spectral Bands: 2.4 GHz, 5 GHz; Channels: 20 MHz, 80 MHz, 40 MHz
RAM	: DDR2 128Mb
Flash	: NOR 32Mb

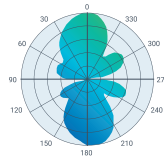
Antenna Specifications - TBD

2.4 GHz



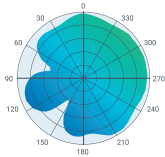
Azimuth

V Pol



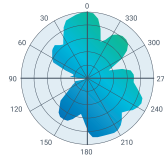
Elevation

5 GHz



Azimuth

V Pol



Elevation

5GHz Integrated Antenna

Frequency Range	5.1–5.9GHz
Gain, max	7 dBi
Polarization	Linear/Diversity
VSWR	<1.9:1
Azimuth Beamwidth (V-Pol)	360°
Elevation Beamwidth	21°

2.4GHz Integrated Antenna

Frequency Range	2.4–2.5GHz
Gain, max	5 dBi
Polarization	Linear
VSWR	<1.9:1
Azimuth Beamwidth (V-Pol)	360°
Elevation Beamwidth	35°



INTI-CAM77B-T1 SURVEILLANCE CAMERA

Applicable to buildings, supermarkets, hotels, banks, road, warehouse, underground parking lot, bar, pipeline, garden and other dark or lightless environment, which require HD image place, suitable for backlighting environment.

1080 P
Output

Mobile

TKDN + BMP

45.91%

H.265
Video
Compression

Sertifikasi



TKDN (5655/SJ-IND.8/TKDN/7/2023)

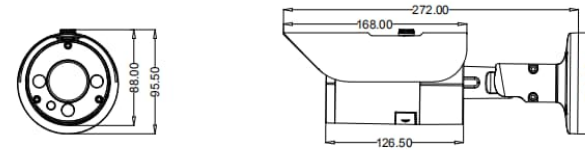
ONVIF

Fitur

- Use the built-in deep learning algorithm of human shape and car shape, suitable for traffic statistics
- Only human or vehicle detection and analysis, other moving objects will not be affected by detection
- Support target counting, electronic fence, retrograde detection, off-site detection
- Support to calculate the statistics of import and export persons and vehicle flow
- Support to view daily/monthly report statistics and report to export
- Support Smart IR to prevent infrared overexposure at night
- ICR infrared filter automatic switch, to achieve real day and night monitoring
- Support corridor mode and add longitudinal and narrow monitoring areas in the environment
- Support multi-line OSD, font, size, color, position adjustable
- Support 3D digital noise reduction and TWDR
- Support automatic electronic shutter function, adapt to different monitoring environment
- Support a variety of intelligent alarm linkage output
- Support GB28181 access, support Onvif access
- Support Email, FTP and NTP services
- Supports HTTPS encrypted transport
- Change the password when starting the initial equipment to ensure the security of the password

- Support two-way voice intercom
- Support 2-way alarm input / 1-way alarm output

Dimensi



Wire Interface



1. Audio Input
2. Power Input
3. Network Interface
4. RS485/ Alarm Output
5. Alarm Input
6. Audio Output

Spesifikasi

Camera	
Image Sensor	: 1/2.8"SONY 2.07MP progressive scan Exmor CMOS
Min. illumination	: 0Lux/F1.4 (IR on) color: 0.01Lux/F1.4, B/W:0.001Lux/F1.4
IR Distance	: 40-50M (3*array IR leds)
Electronic Shutter	: Auto/ Manual(1/25~1/10000), FLK
Day/Night	: ICR switch, auto, color, B/W, ext
Lens	: 2.8-12mm motorized lens (2.8-12mm DC ICR lens optional)
Lens Interface	: Φ 14
Auto IRIS	: DC drive
S/N Ratio	: $\geq$ 50db (AGC OFF)
Output	: PAL/NTSC adjustable
WDR	: WDR(Off/Low/Middle/High)
Light Board Control	: Auto/ Manual/Off
3D N/R	: Off/ Low/ Middle/ High/ Higher
Defog	: Off/ Low/ Middle/ High
Mirror	: Off/ Horizontal/ Vertical/ 180° rotation/ Corridor mode (90° rotation, 270° rotation)
Slow Shutter	: /
Exposure Control	: Auto/ Manual
Image Setting	: Brightness, Contrast, Saturation, Sharpness, Hue

Audio/Video Encoding	
Video Compression	: H.265/ H.264
H.265 Encoding	: Main Profile
H.264 Encoding	: BaseLine/Main Profile/High Profile
Encoding Features	: NTSC: main stream: 1920×1080@30fps, sub-stream: D1@30fps PAL: main stream: 1920×1080@25fps, sub-stream: D1@25fps
Max. Resolution	: 1920X1080
Video Bit Rate	: Constant bit rate, variable bit rate (16kbps~8000kbps)
Video Type	: Complex stream/ Video stream
Audio Compression	: G.711u
Audio Bit Rate	: 64Kbps
Audio Control	: Support input/output volume gain control
ROI	: Support 4 zones, multi-stage level
Watermark function	: /

Network	
Network Protocol	: TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP, FTP
Access Protocol	: ONVIF, GB28181 (optional)
Browser	: Support IE, Chrome, Firefox, Safari
Video Preview Meanwhile	: 8
User Permission	: User add/modify/delete, permission management

Safe Mode	: Authorized user name and password, HTTPS encryption and AES link encryption, RTSP verification
Motion Detection	: Set detection zone, Multi-level sensitivity can be set
Tampering Alarm	: 1 zone
Privacy Mask	: 4 zones
Intelligent Analysis	: Target Counting, Left/Loss, Area Detection, Line Crossing
Sound Alarm Output	: Customize the broadcast language content and broadcast times (1-10 times)
Event Linkage	: Snapshot, TF card video, FTP upload or Email sending, alarm output linkage, preset linkage
Multicast Function	: Support
ANR	: Support, match with NVR
Mobile Surveillance	: Support Apple, Android
Device Exception Detection	: Support network disconnected, IP conflict, illegal access alarm
OSD	: Title, time and date overlay, multi-line OSD, OSD color optional
DST	: Support
Snapshot	: Support snapshot, snapshot resolution is encoding resolution
System Update	: Support remote update

Interface

Network Interface	: RJ45 10M/100M network adaptive
Analog Video Output	: 1CH 1.0Vp-p Composite video output
Audio	: Line input/ output

Alarm Input	: 2CH input
Alarm Output	: 1CH output
Reset	: Support
RS485	: Support
TF Card	: Support Max 128G, Micro SD(SDHC /SDXC) card local-storage

General

Operating Temperature	: -20°C ~ 55°C
Operating Humidity	: 0% - 90%
Protection Grade	: IP66/ IK09
Power Supply	: DC12V /PoE optional
Power Consumption (Max)	: <8W
Dimensions (mm)	: 272(W)*93(H)*95.5(L)



INTI-CAM77D-T1 SURVEILLANCE CAMERA

TKDN + BMP

42.42%

Sertifikasi



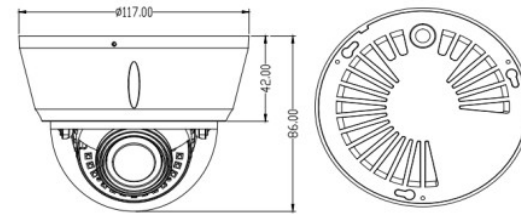
Kementerian
Perindustrian
REPUBLIK INDONESIA

TKDN (5654/SJ-IND.8/TKDN/7/2023)

Fitur

- 5MP Human vehicle intelligent detection infrared camera max resolution up to 5M (2592 x 1944)
- Support three streams, H.265 efficient compression, low bit rate, low delay, ROI enhancement encoding
- 2.8 12mm electric zoom lens, the picture adjustment is more flexible
- Only human or vehicle detection and analysis, other moving objects will not be affected by detection
- Support the calculation of import and export passenger and vehicle flow statistics, daily / monthly report statistics and report to export
- Support alarm linkage output custom voice broadcast prompt
- Support 3D digital N/R, WDR, Corridor mode
- Support multiple intelligent alarm
- Support GB28181, Onvif access
- Support two way voice intercom, 2 way alarm input / 1 way alarm output
- Support Micro SD card (128G) local storage
- Support PoE power supply

Dimensi



Wire Interface



1. Audio Input
2. Power Input
3. Network Interface
4. RS485/ Alarm Output
5. Alarm Input
6. Audio Output

Spesifikasi

Camera	
Image Sensor	: 1/2.8"SONY 5 Mega Progressive Scan Exmor CMOS
Min. illumination	: 0Lux/F1.4 (IR ON); Color: 0.1Lux/F1.4,B/W: 0.05Lux/F1.4
IR Distance	: 30M
Electronic Shutter	: Auto/Manual (1/5~1/100000)
Day/Night	: Auto/Color/B/W/Ext
Lens	2.8-12mm motorized lens
	Focus : Auto/Manual
S/N Ratio	: ≥50db (AGC OFF)
WDR	: WDR (Off/Low/Middle/High)
3D N/R	: Off/Low/Middle/High/Higher
Defog	: Off/Low/Middle/High
Mirror	: Off/Horizontal/Vertical/180° rotation/Corridor mode (90° rotation, 270° rotation)
Slow Shutter	: Off/On, default off
Exposure Control	: Auto/Manual
Image Setting	: Brightness, Contrast, Saturation, Sharpness, Hue and White balance

Audio/Video Compression	
Video Compression	: H.265/H.264
H.265 Encoding	: Main Profile
H.264 Encoding	: BaseLine/Main Profile/High Profile
Encoding Features	: NTSC : main:2592X1520@30fps, 2592X1944@20fps, sub: D1@30fps PAL : main: 2592X1520@25fps, 2592X1944@20fps, sub: D1@25fps
Triple Stream	: NTSC/PAL : 2592X1944@10fps
Max. Resolution	: 2592 x 1944
Video Bit Rate	: Constant bit rate, variable bit rate (16kbps~8000kbps)
Video Type	: Complex stream/ Video stream
Audio Compression	: G.711u
Audio Bit Rate	: 64Kbps
Audio Control	: Support input/output volume gain control
ROI	: Support 4 zones, multi-stage level

Network	
Network Protocol	: TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP, FTP
Access Protocol	: ONVIF, GB28181 (optional)
Browser	: Plug in supports IE11 or above
Video Preview Meanwhile	: 8
User Permission	: User add/modify/delete, permission management
Safe Mode	: Authorized user name and password, HTTPS encryption and AES link encryption, RTSP verification
Motion Detection	: Set detection zone, Multi-level sensitivity can be set
Tampering Alarm	: 1 zone
Privacy Mask	: 4 zones
Intelligent Analysis	: Detection and analysis of the behavior of persons or vehicle targets only
Sound Alarm Output	: Customize the broadcast language content and broadcast times (1-10 times)
Event Linkage	: Snapshot, TF card video, FTP upload or Email sending, alarm output linkage, preset linkage
Multicast Function	: Support
ANR	: Support, match with NVR
Mobile Surveillance	: Support Apple, Android

Device Exception Detection	: Support network disconnected, IP conflict, illegal access alarm
OSD Overlay	: Title, time and date overlay, multi-line OSD, OSD color optional
DST	: Support
Snapshot (Valid with TF Card)	: Support linkage capture, capture interval and capture number can be set
System Update	: Support remote update

Human & Vehicle Shape Detection	
	Anti Tampering Feature The deployment time period can be set
	Defense type: people , vehicles, people and vehicles
Target Counting	: Test line can be set up, up to 4
	Statistical methods: A—B/B—A, the number of people increased or decreased
	The deployment time can be set
Electronic Fence	: Detection area can be set up, up to 4
	Detection type: target entry, exit, wander, or intrusion detection
	The deployment time can be set
Retrograde Detection	: Detection area can be set up, up to 4

		The deployment time can be set
Off-Site Detection	:	Detection area can be set up, up to 4
		Departure time can be set
Report statistics (valid with TF card)	:	Target count: daily/monthly reports, line charts, bar charts, lists
		Electronic fencing: lists
		Retrograde detection: lists
		Departure detection: lists

Interface		
Network Interface	:	RJ45 10M/100M network adaptive
Audio	:	1ch Line in\1ch Line out
Alarm Input	:	2ch
Alarm Output	:	1ch
RS485	:	Support
TF Card	:	Support, max 128G, Micro SD(SDHC/SDXC) card local-storage

General		
Operating Temperature	:	-20°C ~ 55°C
Operating Humidity	:	0% - 90%
Protection Grade	:	IP66/IK10
Power Supply	:	DC12V /POE
Power Consumption (Max)	:	<8W
Dimensions (mm)	:	117 (D) mm × 86 (H) mm



LAMPU JALAN LED

INTI-CCCKI SOLAR INTEGRATED LAMP 60 W

INTI-CCCKI *Solar Integrated Lamp* 60 Watt adalah sistem pencahayaan yang mandiri, yang terdiri dari lampu hemat energi *Light Emitting Diode* (LED) dan terintegrasi dengan modul surya yang berfungsi untuk menangkap energi sinar matahari dan mengubahnya menjadi energi listrik, serta baterai untuk menyimpan energi listrik tersebut. Produk ini dilengkapi dengan modul kontrol yang akan mengaturnya dan material casingnya terbuat dari aluminium yang tahan korosi serta driver LED nya bekerja dengan efisiensi yang tinggi sehingga menghasilkan pencahayaan yang sangat kuat.

Penggunaan produk ini dapat untuk penerangan jalan-jalan di kota, trotoar, sekolah, taman, halaman, daerah pemukiman, pabrik dan tempat-tempat lainnya dimana diperlukan dekorasi pencahayaan.

TKDN + BMP
31.97%

Sertifikasi



TKDN (7680/SJ-IND.8/TKDN/7/2023)

Spesifikasi

Product Name	: INTI-CCCKI Solar Integrated Lamp 60 W
Standard	: INTI_SIL 60VA
Brand	: INTI
Unit of Measurement	: Piece
Product Type	: INTI-CCCKI-PJU-LED 60 W
Valid Until	: 2024-06-30
Product URL	: www.inti.co.id
LED Power	: 400W
LED Chip Brand	: BRIDGELUX SMD 3030X250LEDs
Host Protocol	: PC/SC, Proprietary
Solar Panel (Watt)	: 10V 90Wp (±3%)
Color Rendering Index	: ≥Ra75
IP Module	: IP65
Light Distribution Type	: Half-Cut Type
Light Angle	: 60° x 130°
LED Lifespan	: >50000 Hours

Lamp Body Material	: Aluminium Alloy
Luminous Flux at Amaximum Power	: >7200LM
Light Attenuation	: 3000 Hours <0.5%, 6000 Hours <1%
Battery	: LiFePO ₄ Battery 6.4/66AH (±3%)
Color Temperature	: 60000 K (±300K)
Working Temperature	: -10°C~+65°C
Connecting Pipe Diameter	: Ø60mm
Recommended Installation Height	: 5m~8m
Lamp Size	: 1460x350x160mm
Net Weight	: 15.2Kg
Controller	: Double MPPT
Warranty Period (Year)	: 3
Endurance	: 2 Rainy Days Can be Guaranteed
Lighting Method and Lighting Effect	: at the Height of 6 Meters, Continuous Lighting for 12 hours of Illumination >8Lux
Lighting Method and Effect Can be Customized	
Lighting Effect is Superior to Road Lighting Standard	



PT Industri Telekomunikasi Indonesia (Persero)

 @ptintiofficial

Head Office

Jl. Moch. Toha No. 77 Bandung 40253

Tlp : (022) 5201501 | Fax : (022) 5202444

E-mail : info@inti.co.id

Representative Office

Jl. Balitung 1 No. 17 (Senopati)

Jakarta Selatan 12110

Production Facilities

Jl. Moch. Toha No. 225 Bandung

Tlp : (022) 5206510



Katalog Produk