ONV®
Optical Network Video

ONV switch

Optical Network Video — Ushered in the era of AI transmission

Smart Switch | PoE Switch | Industrial Switch

Intelligent Ethernet Switch for CCTV security

Optical Network Video Technologies (Shenzhen) Co.,Ltd

Engineering PoE Switches

Access Layer

ONV-POE31004PF
- 4x10/100Base-TX POE Ports
- 1x155M SC Ports
- Switching Capacity: 1.6Gbps
- Forwarding Rate: 0.74Mpps@64byts

ONV-POE57008F
- 8x10/100/1000/2500Base-TPorts (POE)
- 1x1/2.5/10G Base-X SFP
- Switching Capacity: 60Gbps
- Forwarding Rate: 44.64Mpps@64byts

ONV-POE31064PL(-at)
- 4x 10/100Base-TX PoE Ports
- 2x 10/100Base-TX RJ45 Ports
- Switching Capacity: 1.6Gbps
- Forwarding Rate: 0.89Mpps@64byts

ONV-POE33064PF(-at)
- 4x 10/100/1000Base-T PoE Ports
- 2x 1000Base-X SFP Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-POE33064P(-at)
- 4x 10/100/1000Base-T PoE Ports
- 2x 10/100/1000Base-T RJ45 Ports
- Switching Capacity: 16Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-POE33064PFG(-at)
- 4x 10/100/1000Base-T PoE Ports
- 1x10/100/1000Base-T RJ45 Ports
  +1x1000Base-X SFP Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-POE33108PFG(-at)
- 8x 10/100/1000Base-T PoE Ports
- 1x 10/100/1000Base-T RJ45 Ports
  +1x1000Base-X SFPPorts
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.89Mpps@64byts

ONV-POE33007P(-at)
- 7x 10/100/1000Base-T PoE Ports
- 1x 10/100/1000Base-T RJ45 Ports
- Switching Capacity: 16Gbps
- Forwarding Rate: 11.90Mpps@64byts

ONV-POE31108PL(-at)
- 8x 10/100Base-TX PoE Ports
- 2x 10/100Base-TX RJ45 Ports
- Switching Capacity: 2Gbps
- Forwarding Rate: 1.49Mpps@64byts

ONV-POE33108P(-at)
- 8x 10/100/1000Base-T PoE Ports
- 2x 10/100/1000Base-T RJ45 Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV33008F
- 8x1000Base-X SFP Ports
- 2x10/100/1000Base-T RJ45 Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.9Mpps@64byts

ONV-POE33108PF(-at)
- 8x 10/100/1000Base-T PoE Ports
- 2x 1000Base-X SFP Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-POE31128PFB(-at)
- 8x 10/100Base-TX PoE Ports
- 2x 100/1000Base-T RJ45 Ports
  +2x1000base-X SFP Ports
- Switching Capacity: 9.6Gbps
- Forwarding Rate: 7.14Mpps@64byts

L2+ ONV33006FM / ONV-POE33006PFM(-at)
- 4x10/100/1000Base-T RJ45 Ports(PoE)
- 2x1000Base-X SFP Ports
- Switching Capacity: 16Gbps
- Forwarding Rate: 8.93Mpps@64byts

L2+ ONV33010FM / ONV-POE33010PFM(-at)
- 8x 10/100/100Base-T RJ45 Ports(PoE)
- 2x100/1000Base-X SFP Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.89Mpps@64byts

L2+ ONV33064FM / ONV-POE33064PFM(-at)
- 4x 10/100/1000Base-T RJ45 Ports(PoE)
- 2x 100/1000Base-X SFP Ports
- Switching Capacity: 16Gbps
- Forwarding Rate: 8.93Mpps@64byts

L2+ ONV33084FM / ONV-POE33084PFM(-at)
- 4x 10/100/1000Base-T RJ45 Ports(PoE)
- 4x 100/1000Base-X SFP Ports
- Switching Capacity: 16Gbps
- Forwarding Rate: 11.9Mpps@64byts

L2 ONV31108FM / ONV-POE31108PFM(-at)
- 8x10/100Base-TX RJ45 Ports(PoE)
- 2x100/1000Base-T(X) TP
  /SFP Combo Ports
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 4.17Mpps@64byts

L2+ ONV33108FM / ONV-POE33108PFM(-at)
- 8x10/100/1000Base-T RJ45 Ports(PoE)
- 2x 100/1000Base-X SFP Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

L2 ONV31024FM / ONV-POE31024PFM(-at)
- 24x 10/100Base-TX RJ45 Ports(PoE)
- 2x 10/100/1000Base-T(X) TP
  / SFP Combo Ports
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 6.55Mpps@64byts

L2 ONV31016FM / ONV-POE31016PFM(-at)
- 16x10/100/Base-TX RJ45 Ports(PoE)
- 2x 1000Base-T(X) TP
  /SFP Combo Ports
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 5.36Mpps@64byts

ONV33016F / ONV-POE33016PF(-at)
- 16x 10/100/1000Base-T RJ45 Ports(PoE)
- 2x 1000Base-X SFP Ports
- Switching Capacity: 52Gbps
- Forwarding Rate: 26.78Mpps@64byts

ONV33024F / ONV-POE33024PF(-at)
- 24x 10/100/1000Base-T RJ45 Ports(PoE)
- 2x 1000Base-X SFP Ports
- Switching Capacity: 52Gbps
- Forwarding Rate: 38.69Mpps@64byts

ONV31024FA / ONV-POE31024PFA(-at)
- 24 x 10/100Base-TX RJ45 Ports(PoE)
- 2x 10/100/1000Base-T(X) TP
  /SFP Combo Ports
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 6.55Mpps@64byts

ONV31016FA / ONV-POE31016PFA(-at)
- 16x 10/100Base-TX RJ45 Ports(PoE)
- 2x 10/100/1000Base-T(X) TP
  /SFP Combo Ports
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 5.36Mpps@64byts

Aggregation Layer

L2+ ONV33012FM
- 12x100/1000Base-X SFPPorts
- 2x 10/100/1000Base-T RJ45 Ports
- Switching Capacity: 52Gbps
- Forwarding Rate: 20.83Mpps@64byts

L2+ ONV-POE57128PFM
- 8x10/100/1000/2500Base-T Ports (POE)
- 4x1/10GBase-X SFP
- Switching Capacity: 336Gbps
- Forwarding Rate: 89.28Mpps@64byts

L2+ ONV33168FM / ONV-POE33168PFM
- 8x 10/100/1000Base-T RJ45 Ports(PoE)
- 8x 100/1000Base-X SFP Ports
- Switching Capacity: 52Gbps
- Forwarding Rate: 23.81Mpps@64byts

L2+ ONV33168FM-4GF / ONV-POE33168PFM-4GF
- 8x10/100/1000Base-T RJ45 Ports(PoE)
- 4x100/1000Base-X SFP Ports
- Switching Capacity: 52Gbps
- Forwarding Rate: 23.81Mpps@64byts

L2+ ONV33020FM / ONV-POE33020PFM
- 16x 10/100/1000Base-T RJ45 Ports(PoE)
- 4x 100/1000Base-X SFP Ports
- Switching Capacity: 56Gbps
- Forwarding Rate: 29.76Mpps@64byts

L2+ ONV33028FM / ONV-POE33028PFM
- 24x10/100/1000Base-T RJ45 Ports(PoE)
- 4x 100/1000Base-X SFP Ports
- Switching Capacity: 56Gbps
- Forwarding Rate: 41.7Mpps@64byts

L2+ ONV33052FM / ONV-POE33052PFM
- 48x 10/100/1000Base-T RJ45 Ports(PoE)
- 4x 100/1000Base-X SFP Ports
- Switching Capacity: 104Gbps
- Forwarding Rate: 77.38Mpps@64byts

L2+ ONV33368FM
- 8x10/100/1000Base-T Ports
- 28x1000Base-X SFP
- Switching Capacity: 176Gbps
- Forwarding Rate: 53.57Mpps@64byts

Core Layer

L2+ /L3 ONV36(8)168FM / ONV-POE36(8)168PFM
- 8x 10/100/1000BaseT RJ45 Ports(PoE)
- 4x 10/100/1000Base-T RJ45 Ports
  +4x1/10G SFP+ Ports
- Switching Capacity: 176Gbps
- Forwarding Rate: 77.38Mpps@64byts

L2+ /L3 ONV36(8)028FM / ONV-POE36(8)028PFM
- 24x 10/100/1000Base-T RJ45 Ports(PoE)
- 4x1/10G SFP+ Ports
- Switching Capacity: 176Gbps
- Forwarding Rate: 95.23Mpps@64byts

L2+ /L3 ONV36(8)036FM / ONV-POE36(8)036PFM
- 24x10/100/1000Base-T RJ45 Ports(PoE)
- 8x100/1000Base-X SFP Ports
  +4x1/10G SFP+ Ports
- Switching Capacity: 176Gbps
- Forwarding Rate: 107.14Mpps@64byts

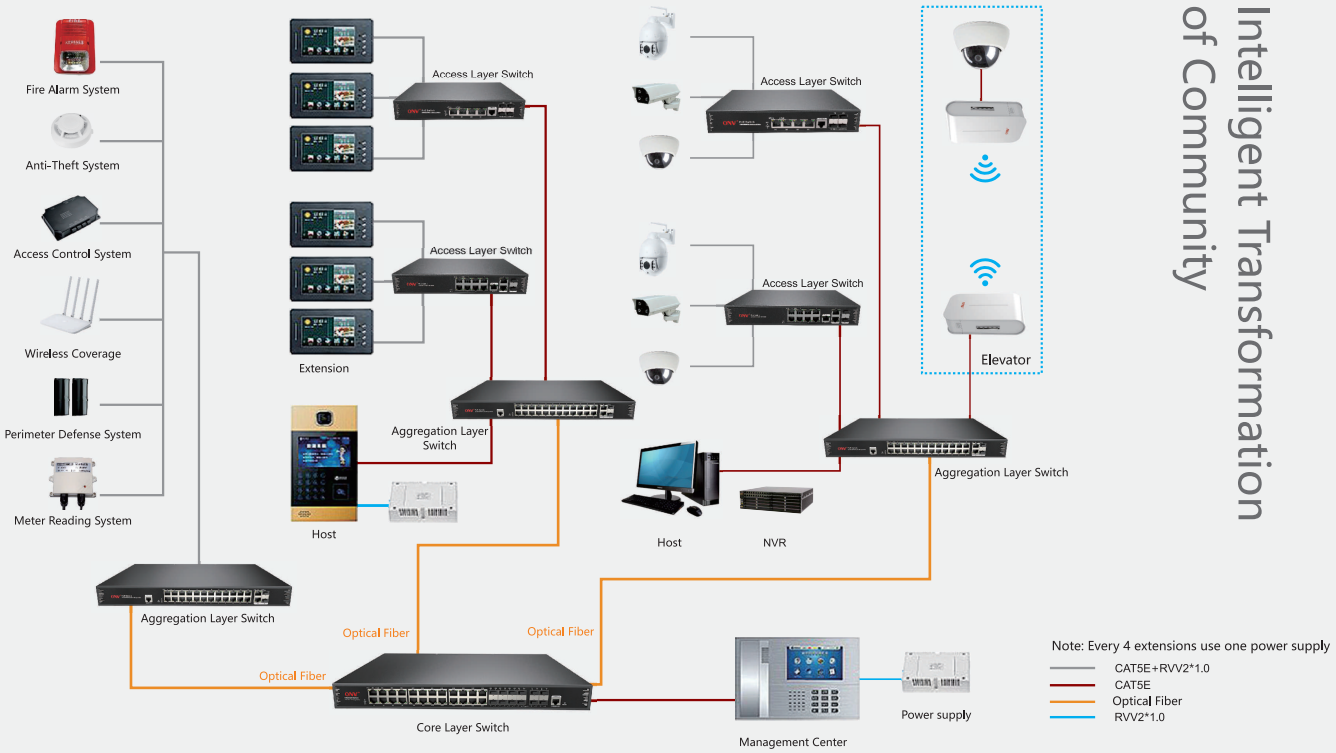
L2+ /L3 ONV36(8)048FM / ONV-POE36(8)048PFM
- 48x 10/100/1000Base-T RJ45 Ports(PoE)
- 4x1/10G SFP+ Ports
- Switching Capacity: 176Gbps
- Forwarding Rate: 131Mpps@64byts

L2+ /L3 ONV36(8)448FM / ONV-POE36(8)448PFM
- 8x10/100/1000Base-T RJ45 Ports(PoE)
  +4x10/100/1000Base-T RJ45 Ports
- 28x100/1000Base-X SFP Ports
  +4x1/10G SFP+ Ports
- Switching Capacity: 176Gbps
- Forwarding Rate: 119.04Mpps@64byts

L2+ /L3 ONV-POE57030PFM
- 24x10/100/1000/2500Base-T RJ45 Ports(PoE)
- 2x1/10GBase-T Ports
  +4x1/10GBase-X SFP+ Fiber Ports
- Switching Capacity: 240Gbps
- Forwarding Rate: 148.8Mpps@64byts

Solution

Intelligent Transformation of Community



Application

Economical PoE Switches

PoE

ONV-H1064PL/PSD/PLD

- 4x10/100Base-TX PoE Ports
- 2x10/100Base-TX RJ45 Ports
- Switching Capacity: 1.6Gbps
- Forwarding Rate: 0.89Mpps@64byts

ONV-H3064P/ONV-H3064PS

- 4x10/100/1000Base-T PoE Ports
- 2x10/100/1000 Base-T RJ45 Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-H1108PL/PSD/PLD

- 8x10/100Base-TX PoE Ports
- 2x10/100Base-TX RJ45 Ports
- Switching Capacity: 2Gbps
- Forwarding Rate: 1.488Mpps@64byts

ONV-H1108PGL

- 8x10/100Base-TX PoE Ports
- 2x10/100/1000Base-T RJ45 Ports
- Switching Capacity: 11.8Gbps
- Forwarding Rate: 4.17Mpps@64byts

ONV-H3064PFD

- 4x10/100/1000Base-T POE Ports
- 2x100/1000Base-T Ports
- 1x1000Base-X SFP Ports
- Switching Capacity: 14Gbps
  Forwarding Rate: 10.4Mpps@64byts

ONV-H3108P/ONV-H3108PS

- 8x10/100/1000Base-T POE Ports
- 2x1000Base-T
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-H3108PF/PFS

- 8x10/100/1000Base-T POE Ports
- 2x1000Base-X SFP
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-H3108PFD

- 8x10/100/1000Base-T POE Ports
- 2x100/1000Base-T Ports
- 1x1000Base-X SFP
- Switching Capacity: 22Gbps
- Forwarding Rate: 16.37Mpps@64byts

ONV-H3054PFD

- 4x10/100/1000Base-T POE Ports
- 1x100/1000Base-TPorts
- 1x1000Base-X SFP
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-H3016PS

- 16x10/100/1000Base-T POE Ports
- 2x100/1000Base-TPorts
- Switching Capacity: 36Gbps
- Forwarding Rate: 26.78Mpps@64byts

ONV-H1108PFD

- 8x10/100Base-TX POE Ports
- 2x10/100/1000Base-T Ports
- 1x1000Base-X SFP
- Switching Capacity: 7.6Gbps
- Forwarding Rate: 5.65Mpps@64byts

ONV-H1016PL/PLS ONV-H1024PL/PLS/PS

- 16/24x10/100Base-TX POE Ports
- 2x100/1000Base-T Ports
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 5.36/6.55Mpps@64byts

ONV-H1016PFD/PLD

- 16x10/100Base-TX PoE Ports
- 2x10/100/1000 Base-T RJ45 Ports
- 1x1000Base-X SFP Ports
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 5.36Mpps@64byts

ONV-H1024PFD/PLD

- 24x10/100Base-TX POE Ports
- 2x100/1000Base-T Ports
- 1x1000Base-X SFP Ports
- Switching Capacity: 10.8/14.8Gbps
- Forwarding Rate: 8.04Mpps@64byts

ONV-H3016PFD

- 16x10/100/1000Base-T POE Ports
- 2x100/1000Base-T Ports
- 1x1000Base-X SFP
- Switching Capacity: 38Gbps
- Forwarding Rate: 28.27Mpps@64byts

Non-PoE

ONV-H3024PFD

- 24x10/100/1000Base-T POE Ports
- 2x100/1000Base-TPorts
- 1x1000Base-X SFP
- Switching Capacity: 54Gbps
- Forwarding Rate: 40.18Mpps@64byts

24V PoE ONV-H2064PL

- 4x10/100Base-TX 24V PoE Ports
- 2x10/100Base-TX RJ45 Ports
- Switching Capacity: 1.6Gbps
- Forwarding Rate: 0.89Mpps@64byts

24V PoE ONV-H2108PL

- 8x 10/100Base-TX 24V PoE Ports
- 2x 10/100Base-TX RJ45 Ports
- Switching Capacity: 2Gbps
- Forwarding Rate: 1.45Mpps@64byts

24V PoE ONV-H2016PFG-YS

- 16x10/100Base-TX POE
- 2x100/1000Base-T
- 1x1000Base-X SFP
- Switching Capacity: 9.2Gbps
- Forwarding Rate: 6.84Mpps@64byts

24V PoE ONV-H2024PFG-YS

- 24x10/100Base-TX POE
- 2x100/1000Base-T
- 1x1000Base-X SFP
- Switching Capacity: 10.8Gbps
- Forwarding Rate: 8.04Mpps@64byts

ONV-H1005ES/ONV-H3005ES

- 5x10/100Base-TX Ports
- 5x10/100/1000Base-TPorts
- Switching Capacity: 1/10Gbps
- Forwarding Rate: 0.74/7.44Mpps@64byts

ONV-H1008ES/ONV-H3008ES

- 8x10/100Base-TX Ports
- 8x10/100/1000Base-TPorts
- Switching Capacity: 1.6/16Gbps
- Forwarding Rate: 1.19/11.9Mpps@64byts

ONV-H1016

- 16x10/100Base-TX RJ45 Ports
- Switching Capacity: 3.2Gbps
- Forwarding Rate: 2.38Mpps@64byts

ONV-H1024

- 24x 10/100Base-TX RJ45 Ports
- Switching Capacity: 4.8Gbps
- Forwarding Rate: 3.57Mpps@64byts

ONV-H3008FO

- 8x1000Base-X SFP
- 2x100/1000Base-TPorts
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-H3108FS

- 8x10/100/1000Base-T Ports
- 2x1000Base-X SFP
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-H3016

- 16x10/100/1000Base-T Ports
- Switching Capacity: 32Gbps
- Forwarding Rate: 23.8Mpps@64byts

ONV-H3024

- 24x10/100/1000Base-T Ports
- Switching Capacity: 48Gbps
- Forwarding Rate: 35.7Mpps@64byts

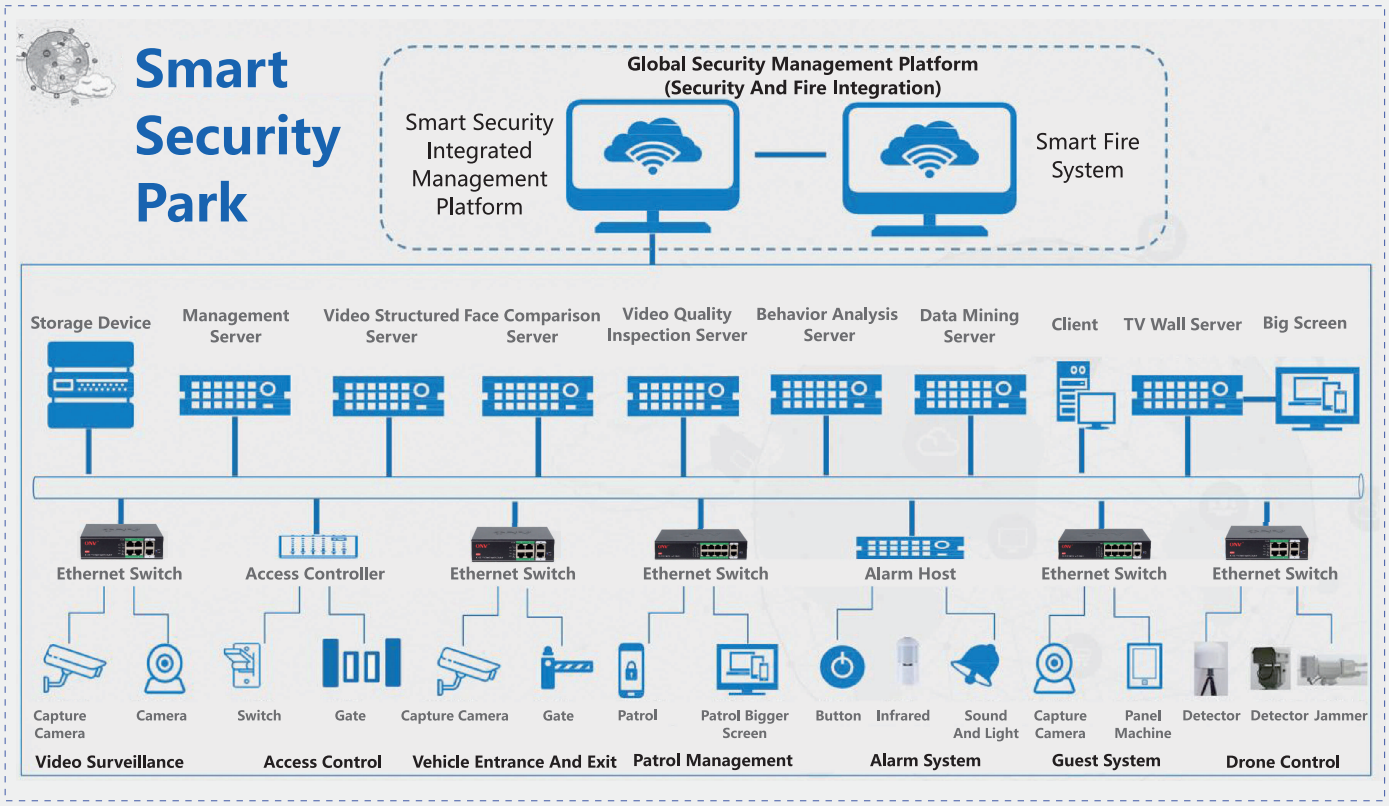
ONV-H3218F

- 16x10/100/1000Base-T Ports
- 2x1000Base-X SFP
- Switching Capacity: 52Gbps
- Forwarding Rate: 26.78Mpps@64byts

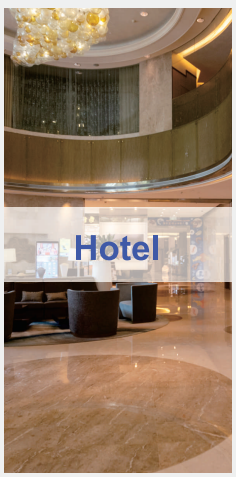
ONV-H3226F

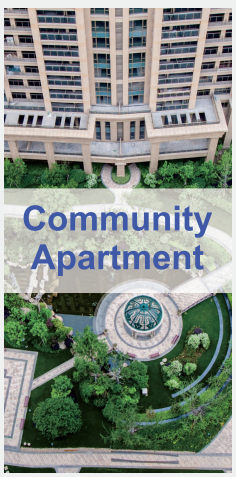
- 24x10/100/1000Base-T Ports
- 2x1000Base-X SFP
- Switching Capacity: 52Gbps
- Forwarding Rate: 38.69Mpps@64byts

Solution



Application





Industrial PoE Switches

Access Layer

ONV-IPS1008
- 8x10/100Base-TX Ports
- Switching Capacity: 1.6Gbps
- Forwarding Rate: 1.19Mpps@64byts

ONV-IPS31084F/ONV-IPS31084PF
- 4x10/100Base-TX RJ45 Ports(PoE)
- 2x10/100Base-TX RJ45 Ports +2x100Base-FX SCmodule
- Switching Capacity: 1.6Gbps
- Forwarding Rate: 1.19Mpps@64byts

ONV-IPS31128FB/ONV-IPS31128PFB
- 8x10/100Base-TX RJ45 Ports(PoE)
- 2x100/1000Base-T RJ45 Ports +2x1000Base-X SFP Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 7.14Mpps@64byts

ONV-IPS57008F(PF)
- 8x10/100/1000/2500Base-T Ports (POE)
- 1x1/2.5/10G Base-X SFP
- Switching Capacity: 60Gbps
- Forwarding Rate: 44.64Mpps@64byts

ONV-IPS33042F(PF)
- 2x10/100/1000Base-T Ports (POE)
- 2x1000Base-X SFP Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 5.95Mpps@64byts

ONV-IPS57064F(PF)
- 4x10/100/1000/2500Base-TPorts (POE)
- 2x1/2.5/10G Base-X SFP Ports
- Switching Capacity: 60Gbps
- Forwarding Rate: 44.6Mpps@64byts

ONV-IPS53064FGM(PFGM)
- 4x10/100/1000Base-T Ports (POE)
- 1x100/1000Base-T Ports
- 1x1000Base-X SFP Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-IPS33168(F)PF
- 8x10/100/1000/Base-T Ports (POE)
- 8x1000Base-X SFP Ports
- Switching Capacity: 32Gbps
- Forwarding Rate: 23.81Mpps@64byts

L2 ONV-IPS33006FM-BY
ONV-IPS33006-PFM-BY
- 4x10/100/1000Base-T Ports (POE)
- 2x1000Base-X SFP
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

L2 ONV-IPS53064FGM
ONV-IPS53064PFGM
- 8x10/100/1000/2500Base-T Ports (POE)
- 1x1/2.5/10G Base-X SFP Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

L2 ONV-IPS31064FM
ONV-IPS31064PFM
- 4x10/100Base-TX Ports (POE)
- 2x100/1000Base-T(X)Combo TP/SFP
- Switching Capacity: 14.8Gbps
- Forwarding Rate: 3.57Mpps@64byts

L2+ ONV-IPS33108FM(PFM(bt))
- 8x10/100/1000Base-T Ports (POE/bt)
- 2x1000Base-X SFP
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

L2+ ONV-IPS33084FM
ONV-IPS33084PFM
- 4x10/100/1000Base-T RJ45 Ports(PoE)
- 4x100/1000Base-X SFP Ports
- Switching Capacity: 16Gbps
- Forwarding Rate: 11.9Mpps@64byts

L2 ONV-IPS31108FM
ONV-IPS31108PFM
- 8x10/100Base-TX RJ45 Ports(PoE)
- 2x100/1000Base-T(X)TP /SFP Combo Ports
- Switching Capacity: 64Gbps
- Forwarding Rate: 4.17Mpps@64byts

L2+ ONV-IPS33010FM-BY
ONV-IPS33010PFM-BY
- 8x10/100/1000Base-T Ports (POE)
- 2x1000Base-X SFP
- Switching Capacity: 128Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-IPS1005
- 5x10/100Base-TX Ports
- Switching Capacity: 1.0Gbps
- Forwarding Rate: 0.75Mpps@64byts

ONV-IPS1064P
- 4x10/100Base-TX POE Ports
- 2x10/100Base-TX Ports
- Switching Capacity: 1.6Gbps
- Forwarding Rate: 0.89Mpps@64byts

ONV-IPS3021PF
- 1x10/100/1000Base-T POE Ports
- 1x1000Base-X SC
- Switching Capacity: 10Gbps
- Forwarding Rate: 2.97Mpps@64byts

ONV-IPS3032PF
- 2x10/100/1000Base-T POE Ports
- 1x1000Base-X SC
- Switching Capacity: 10Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-IPS1004PF
- 4x10/100Base-TX POE Ports
- 1x155M SC Ports
- Switching Capacity: 1.2Gbps
- Forwarding Rate: 0.75Mpps@64byts

ONV-IPS1021PF
- 1x10/100Base-TX POE Ports
- 1x155M SC Ports
- Switching Capacity: 1Gbps
- Forwarding Rate: 0.3Mpps@64byts

ONV-IPS1032PF
- 2x10/100Base-TX POE Ports
- 1x155M SC Ports
- Switching Capacity: 1Gbps
- Forwarding Rate: 0.45Mpps@64byts

ONV-IPS3064P
- 4x10/100/1000Base-T POE Ports
- 2x100/1000Base-T Ports
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-IPS3064PFG
- 4x10/100/1000Base-T POE Ports
- 1x100/1000Base-T Ports
- 1x1000Base-X SFP
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-IPS3064PF
- 4x10/100/1000Base-T POE Ports
- 2x1000Base-X SFP
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-IPS3108P
- 8x10/100/1000Base-T POE Ports
- 2x100/1000Base-T Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-IPS3108PF
- 8x10/100/1000Base-T POE Ports
- 2x1000Base-X SFP
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-IPS3128PF
- 8x10/100/1000Base-T POE Ports
- 2x100/1000Base-T Ports
- 2x1000Base-X SFP
- Switching Capacity: 24Gbps
- Forwarding Rate: 17.86Mpps@64byts

ONV-IPS5064PFM
- 4x10/100/1000Base-T POE Ports
- 2x1000Base-X SFP
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-IPS5108PFM
- 8x10/100/1000Base-T POE Ports
- 2x1000Base-X SFP
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-IPS3006PFM
- 4x10/100/1000Base-T POE Ports
- 2x1000Base-X SFP
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-IPS3010PFM
- 8x10/100/1000Base-T POE Ports
- 2x1000Base-X SFP Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

Cloud Network Management

ONV-H3005SM
- 5x10/100Base-TX RJ45 Ports
- (5x 10/100/1000Base-T RJ45 Ports)
- Switching Capacity: 1/10Gbps
- Forwarding Rate: 0.74/7.44Mpps@64byts

ONV-H3008SM
- 8x10/100Base-TX RJ45 Ports
- (8x 10/100/1000Base-T RJ45 Ports)
- Switching Capacity: 1.6/16Gbps
- Forwarding Rate: 1.19/11.9Mpps@64byts

ONV-H5064PFM
- 4x10/100/1000Base-T POE
- 2x1000Base-X SC
- Switching Capacity: 12Gbps
- Forwarding Rate: 8.93Mpps@64byts

ONV-H5108PFM
- 8x10/100/1000Base-T POE
- 2x1000Base-X SFP Ports
- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps@64byts

ONV-POE53020PFCM/ONV-POE53028PFCM
- 16/24x10/100/1000Base-T POE
- 4x1000Base-T (X) Combo TP/SFP
- Switching Capacity: 56Gbps
- Forwarding Rate: 29.76/41.66Mpps@64byts

Aggregation Layer

L2+ ONV-IPS57128FM(bt)
ONV-IPS57128PFM(bt)
- 8x10/100/1000/2500Base-T Ports (POE/bt)
- 4x1/10GBase-X SFP
- Switching Capacity: 96Gbps
- Forwarding Rate: 89.28Mpps@64byts

L2+ ONV-IPS53128FM
ONV-IPS53128PFM
- 8x10/100/1000Base-T Ports (POE)
- 4x1000Base-X SFP
- Switching Capacity: 128Gbps
- Forwarding Rate: 17.86Mpps@64byts

L2+ ONV-IPS53168FM
ONV-IPS53168PFM
- 8x10/100/1000Base-T Ports (POE)
- 8x1000Base-X SFP
- Switching Capacity: 128Gbps
- Forwarding Rate: 23.81Mpps@64byts

L2+ ONV-IPS53168FM-4GF
ONV-IPS53168PFM-4GF
- 8x10/100/1000Base-T Ports (POE)
- 4x100/1000Base-T Ports
- 4x1000Base-X SFP
- Switching Capacity: 128Gbps
- Forwarding Rate: 23.81Mpps@64byts

L2+ ONV-IPS33024M
ONV-IPS33024PM
- 16x10/100/1000Base-T Ports (POE)
- 8x100/1000Base-T Ports
- Switching Capacity: 52Gbps
- Forwarding Rate: 35.71Mpps@64byts

L2+ ONV-IPS33024FM-8F
ONV-IPS33024PFM-8F
- 16x10/100/1000Base-T Ports (POE)
- 8x1000Base-X SFP
- Switching Capacity: 52Gbps
- Forwarding Rate: 35.71Mpps@64byts

Core Layer

L2+ ONV-IPS33248FM(PFM)

- 8x10/100/1000Base-T Ports（POE）
- 4x100/1000Base-T Ports
- 12x1000Base-X SFP
- Switching Capacity：52Gbps
- Forwarding Rate：35.71Mpps@64byts

L2+ ONV-IPS33248FM(PFM)-4GF

- 8x10/100/1000Base-T Ports（POE）
- 12x100/1000Base-T Ports
- 4x1000Base-X SFP
- Switching Capacity：52Gbps
- Forwarding Rate：35.71Mpps@64byts

L2+ ONV-IPS33028FM(PFM)

- 24x10/100/1000Base-T Ports（POE）
- 4x1000Base-X SFP
- Switching Capacity：56Gbps
- Forwarding Rate：41.66Mpps@64byts

L2+ ONV-IPS33020FM(PFM)

- 16x10/100/1000Base-T Ports（POE）
- 4x1000Base-X SFP
- Switching Capacity：56Gbps
- Forwarding Rate：41.7Mpps@64byts

L2+ ONV-IPS33228FM

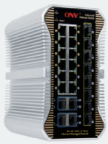
- 16x10/100/1000Base-T Ports
- 12x1000Base-X SFP
- Switching Capacity：52Gbps
- Forwarding Rate：35.71Mpps@64byts

L2+ ONV-IPS33052FM(PFM)

- 48x10/100/1000Base-T Ports（POE）
- 4x1000Base-X SFP
- Switching Capacity：176Gbps
- Forwarding Rate：77.38Mpps@64byts

L2+/L3 ONV-IPS56168FM / ONV-IPS56168PFM

- 8x10/100/1000Base-T Ports（POE）
- 4x1000Base-X SFP Ports
- 4x1/10GBase-X SFP Ports
- Switching Capacity：128Gbps
- Forwarding Rate：77.38Mpps@64byts



L2+/L3 IPS36248FM / IPS36248PFM

- 8x10/100/1000Base-T Ports（POE）
- 4x100/1000Base-T Ports
- 8x1000Base-X SFP Ports
- 4x1/10GBase-X SFP Ports
- Switching Capacity：176Gbps
- Forwarding Rate：89.28Mpps@64byts

L2+/L3 ONV-IPS36248FM-8G / ONV-IPS36248PFM-8G

- 8x10/100/1000Base-T Ports（POE）
- 12x100/1000Base-T Ports
- 4x1/10GBase-X SFP Ports
- Switching Capacity：176Gbps
- Forwarding Rate：89.28Mpps@64byts

L2+/L3 ONV-IPS36(8)036FM / ONV-IPS36(8)036PFM

- 24x 10/100/1000Base-T RJ45 Ports(PoE)
- 8x100/1000Base-X SFP Ports +4x1/10G SFP+ Ports
- Switching Capacity：176Gbps
- Forwarding Rate：107.14Mpps@64byts

L2+/L3 ONV-IPS36(8)048FM / ONV-IPS36(8)048PFM

- 48x10/100/1000Base-T RJ45 Ports(PoE)
- 4x1/10G SFP+ Ports
- Switching Capacity：176Gbps
- Forwarding Rate：130.9Mpps@64byts

L2+/L3 ONV-IPS36(8)368FM / ONV-IPS36(8)368PFM

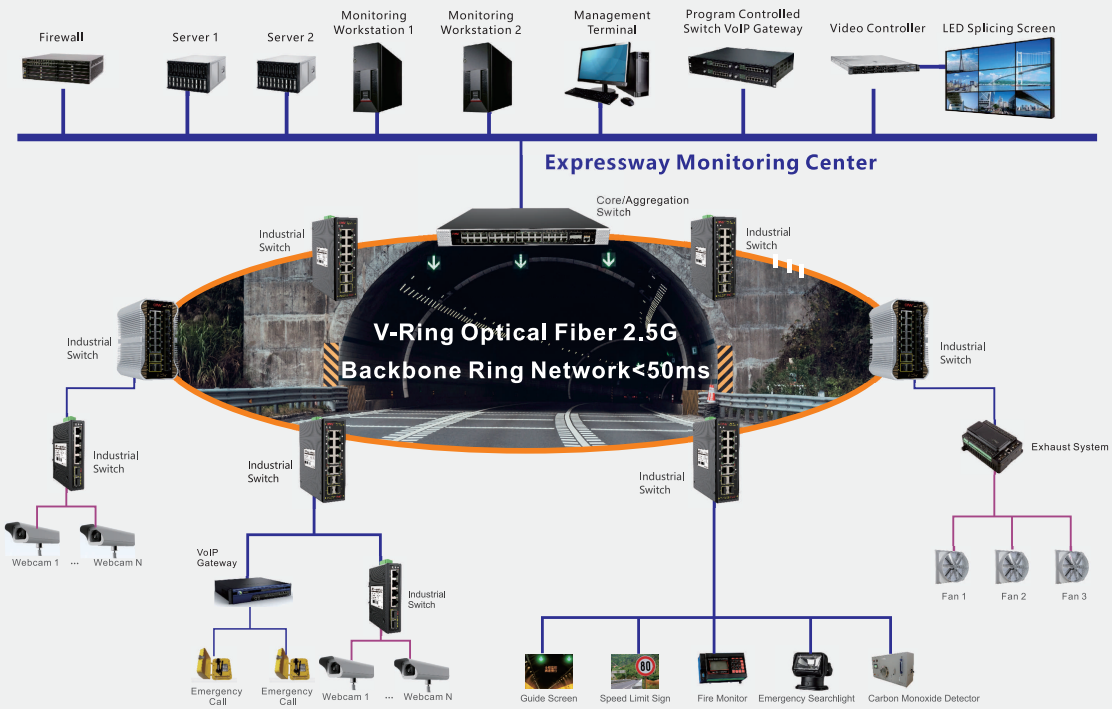
- 8x10/100/1000Base-T RJ45 Ports(PoE)
- 24x10/100/1000Base-X SFP Ports +4x1/10GBase-X SFP+ Ports
- Switching Capacity：176Gbps
- Forwarding Rate：107.14Mpps@64byts

L2+/L3 ONV-IPS36(8)448FM / ONV-IPS36(8)448PFM

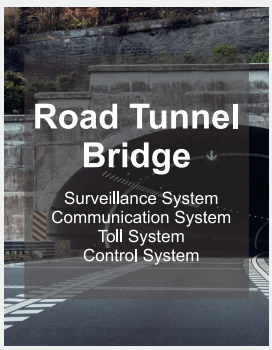
- 12x10/100/1000Base-X RJ45 Ports(PoE)
- 28x100/1000Base-T SFP Ports +4x1/10GBase-X SFP+ Ports
- Switching Capacity：176Gbps
- Forwarding Rate：119.04/130.94Mpps@64byts

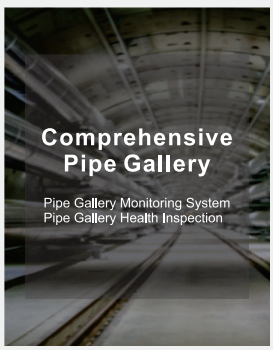
Solution

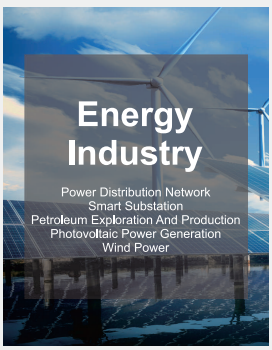
Highway Monitoring Solution



Application







PoE Splitter

ONV-PD5202(Isolated) (at)

1x10/100Base-TX RJ45 PD port
1x10/100Base-TX RJ45 crystal port
1x DC5521 power plug

ONV-PD3301S

1x 10/100/1000Base-T RJ45 PD port
1x 10/100/1000Base-T RJ45 Port
1x DC socket

ONV-PD3401G

1x 10/100/1000Base-T RJ45 PD port
1x 10/100/1000Base-T RJ45 Port
1x 3P power terminal

PoE Extender

ONV-PSE-PD3121L

Port: 1×10/100M PoE input
+2×10/100M PoE output

ONV-PSE-PD3321

Ports: 1x10/100/1000M PoE input
+2x10/100/1000M PoE output

Bt PoE Splitter

ONV-PD3401G

1 x 10/100M/Gigabit bt POE Ports
1 x 10/100M/Gigabit RJ45 Ports
1 x 3P power terminal

PoE Injector

ONV-PSE3301AC(-at)

1 x 10/100/1000M POE Ports
1 x 10/100/1000M RJ45 Ports
1 x AC power port

ONV-PSE3301DC(-at)

1 x 10/100/1000M POE Ports
1 x 10/100/1000M RJ45 Ports
1 x DC power port

ONV-PSE3301DCS

1 x 10/100/1000M POE Ports
1 x 10/100/1000M RJ45 Ports
1 x DC power port

EOC

POE EOC-1C4E/POE EOC-1C1E

Port: 1×BNC+4×RJ45+1×DC/
1×BNC+1×RJ45+1×DC

Bt PoE Injector

ONV-PSE3401G

1 x 10/100/1000M bt POE Ports
1 x 10/100/1000M RJ45 Ports
Single-port PoE output power: 60W

ONV-PSE3501G

1 x 10/100/1000M bt POE Ports
1 x 10/100/1000M RJ45 Ports
Single-port PoE output power: 60W

Fiber Media Converters

ONV0110S-SCX-O/ONV0110-SCX-O

1x 10/100Base-T RJ45 Ports
1x155M SC module
Single-mode single-fiber
/single-mode dual-fiber

ONV0110S-SCX-S2/ONV0110-SCX-S2

2x 10/100Base-T RJ45 Ports
1x155M SC module
Single-mode single-fiber
/single-mode dual-fiber

ONV0110S-SCX-S4/ONV0110-SCX-S4

4x 10/100Base-T RJ45 Ports
1x155M SC module
Single-mode single-fiber
/single-mode dual-fiber

ONV1110S-SCX-F/ONV1110-SCX-F

1x 10/100/1000Base-T RJ45 Ports
1x1000Base-LC Ports
Single-mode single-fiber
/single-mode dual-fiber

ONV1110S-SCX-O/ONV1110-SCX-O

1x 10/100/1000Base-T RJ45 Ports
1x1000Base-X SC module
Single-mode single-fiber
/single-mode dual-fiber

ONV1110S-SCX-S2/ONV1110-SCX-S2

2x 10/100Base-T RJ45 Ports
1x1000Base-X SC Ports
Single-mode single-fiber
/single-mode dual-fiber

ONV1110-SLX-S4

4x 10/100/1000Base-T RJ45 Ports
1x1.25G LC port
single-mode dual-fiber

ONV2U-14/ONV2U-16

14/16-slot card fiber media converter

Industrial DIN-Rail Power Supply / Power Adapter

GWS-P3000-DP24-12/24

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 12V/24V optional
Power: 24W

GWS-P3000-DP36-24/48

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 24V/48V optional
Power: 36W

GWS-P3000-DP60-24/48

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 24V/48V optional
Power: 60W

GWS-P3000-DP120-24/48

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 24V/48V optional
Power: 120W

GWS-P3000-DP240-24/48

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 24V/48V optional
Power: 240W

GWS-P3000-DP480-48

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 48V optional
Power: 480W

GWS-P3000-AP65-24/52

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 24V/52V optional
Power: 65W

GWS-P3000-AP110-52

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 52V optional
Power: 110W

GWS-P3000-AP130-52

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 52V optional
Power: 130W

GWS-P3000-AP250-52

Input Voltage Range: AC90-264V 47-63Hz
Output Voltage: DC 52V optional
Power: 250W

Intelligent Box

Integrated Intelligent Operation and Maintenance Box

ONV-IoT9000-ZH

Power management + network transmission + cabinet management three units

Power Management:
(Supports voltage and current acquisition)
Automatic reclosing, 2*AC220V, 2*AC24V, 4*DC 12V power output
Network Transmission:
(Supports extended POE power supply)
Managed switch with 8*10/100/1000M PoE ports and 2*100/1000M SFP ports
2*RS485 data communication
4G wireless transmission extension
Cabinet Management:
Unpacking alarm, unpacking lighting, temperature/humidity detection, water intrusion detection, BDS/GPS positioning, etc.
Support cloud platform + APP mobile terminal operation and maintenance, local PC terminal platform operation and maintenance

IoT Intelligent Communication Box

ONV-IoT9000-TX

Power management + network transmission + cabinet management three units

Power Management:
automatic reclosing
3*DC12V power output
Network Transmission:
(Supports extended POE power supply)
Managed switch with 4*10/100/1000M PoE ports and 2*100/1000M SFP ports
1*RS485 data communication
Cabinet Management:
Unpacking alarm, power failure alarm, disconnection alarm, etc.
Support cloud platform + APP mobile terminal operation and maintenance, local PC terminal platform operation and maintenance

IoT Intelligent Power Box

ONV-IoT9000-DY

Power management + cabinet management two units

Power Management:
(Supports voltage and current acquisition)
Automatic reclosing, 6*AC220V, 2*AC24V, 3*DC12V power output
Data transmission:
1*10/100M RJ45 port, 1*RS485, 1*RS232 data communication
Cabinet Management:
Unpacking alarm, unpacking lighting, temperature/humidity detection, water intrusion detection, etc.
Support cloud platform + APP mobile terminal operation and maintenance, local PC terminal platform operation and maintenance

Smart Module

ONV-IoT7000-G530-ND
Operation and Maintenance Module 1

ONV-IoT7000-G530-DG
Operation and Maintenance Module 2

ONV-IoT7000-6G2F
Network Module

ONV-IoT7000-UPS220-DG
Smart Power

ONV | Leading Manufacturer for PoE Products

Optical Network Video (ONV) Technology is a national high-tech enterprise. As the first manufacturer for intelligent PoE in China,with world-class leading PoE technology, ONV focuses on security industry over 14 years, combining research, manufacture, sales and services for PoE and Optical transmission products. Headquarter locates in Shenzhen, as well as the factory which is over 5000 square meters. ONV's products are exported to over 60 countries on five continents. ONV's distributors and offices are all around the world, providing high- quality products, outstanding service, and advanced overall solutions.

ONV's headquarter

Market state - Leading Brand in Security Transmission Industry

Global PoE Switch Sales: Top 10

Global Security Industry (PoE Industry): Top10

16% of Sales for R&D Investment Every Year

369 Sales Distributions

Over 3,000 cooperative companies worldwide

The 1st Manufacturer of Intelligent PoE in China

CPSE Shenzhen

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Skype: onv@onv.com.cn

WeChat: ONV-PoE-IoT

Website: www.onvcom.com